



ECHO12005 Cardiac Clinical Unit 2

Term 3 - 2021

Profile information current as at 14/12/2025 04:56 am

All details in this unit profile for ECHO12005 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

This clinical unit will provide opportunities to apply and integrate both theoretical and practical knowledge, skills and professional behaviours in the clinical environment. In addition to the consolidation of skills in electrophysiological assessment, you will be exposed to a range of cardiovascular assessment techniques, including echocardiography. Using clinical cases you will analyse and reflect upon the information provided to produce provisional differential diagnoses and patient management plans within an ethical framework of best practice and patient safety. Behavioural aspects of professional practice are emphasised and you are expected to reflect on your own performance and exhibit the highest level of safe patient care. Critical appraisal of performance will enable you to advance your professional, technical and analytical skills in a work setting under qualified supervision.

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-requisites: ECHO12003 Principles of Cardiac Assessment and ECHO12004 Cardiac Assessment Skills 1 OR ECHO12008 Doppler Echocardiography and ECHO12007 Cardiac Rhythm Assessment. Both ECHO12003 Principles of Cardiac Assessment and ECHO12004 Cardiac Assessment Skills 1 OR ECHO12008 Doppler Echocardiography and ECHO12007 Cardiac Rhythm Assessment must have been successfully completed within the last twelve months. Should this time limit have elapsed the student must successfully complete one (or more) technical skill, professional behaviour and diagnostic knowledge-based assessment(s) (after completion of technical skill / knowledge revision). Details of this will be articulated in a learning contract created by the Head of Course or designate.

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 3 - 2021

- Mixed Mode

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. **Portfolio**

Weighting: Pass/Fail

2. **Online Quiz(zes)**

Weighting: Pass/Fail

3. **Practical Assessment**

Weighting: Pass/Fail

4. **Practical Assessment**

Weighting: Pass/Fail

5. **Performance**

Weighting: Pass/Fail

6. **Learning logs / diaries / Journal / log books**

Weighting: Pass/Fail

7. **Professional Practice Placement**

Weighting: Pass/Fail

Assessment Grading

This is a pass/fail (non-graded) unit. To pass the unit, you must pass all of the individual assessment tasks shown in the table above.

CQUniversity Policies

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

You may wish to view these policies:

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

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

Previous Student Feedback

Feedback, Recommendations and Responses

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

Feedback from Student unit and teaching evaluation (SUTE).

Feedback

Students appreciated having versatility in regards to what was discussed in the tutorials.

Recommendation

Tutorials will continue to focus on the 'needs of the student' at the time of delivery. Students will continue to be encouraged post questions and request topics to be discussed live, to enhance content digestion.

Feedback from Student unit and teaching evaluation (SUTE).

Feedback

Students enjoyed hearing from students who had completed their clinical placements.

Recommendation

Interviews with previous students will continue to be acquired, to enable future students to receive an insight into 'clinical placement experience' from a student prospective.

Feedback from Student unit and teaching evaluation (SUTE).

Feedback

Completion of the ECG portfolio assessment caused anxiety for students.

Recommendation

Support will continue to be offered by the teaching team through dedicated tutorials and prompt forum responses. The importance of attendance at tutorials will be promoted from term commencement; given rarely more than 1-6 students out of a cohort of 49 attended offerings in 2020. Unrealistic student expectations regarding ECG quality and interpretation applications will be addressed through revision and improvement of 'unpacking the assessment videos'.

Unit Learning Outcomes

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

1. Perform electrophysiological and echocardiographic assessment on the cardiovascular system
2. Analyse and communicate the outcomes of cardiac assessment including consideration of quality assurance
3. Apply professional behaviour consistent with safe practice
4. Analyse, and critically reflect upon, clinical cases involving various cardiac assessment techniques
5. Attend clinical placement as per external accreditation requirements (Australian Sonographer Accreditation Registry).

Linked to National and International Standards

1. ASAR Accreditation Standards for Cardiac Sonography - critical practice Unit 8 - Cardiac, Foundation units of competence 1 - 5.
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 - Portfolio - 0%		•		•	
2 - Online Quiz(zes) - 0%		•		•	
3 - Practical Assessment - 0%	•	•			
4 - Practical Assessment - 0%	•	•			
5 - Performance - 0%			•		
6 - Learning logs / diaries / Journal / log books - 0%	•				
7 - Professional Practice Placement - 0%					•

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

ECHO12005

Supplementary

12-Lead ECG: The Art of Interpretation

Edition: 2nd (2015)

Authors: Garcia, Tomas B.,

Jones & Bartlett Learning

Burlington , Massachusetts , United States

ISBN: 9780763773519

Binding: Paperback

ECHO12005

Supplementary

Craig's essentials of sonography and patient care

Edition: 4th (2017)

Authors: Jong, M. Robert de

Saunders

United States

ISBN: 9780323545877

Binding: eBook

ECHO12005

Supplementary

Echocardiography: The Normal Examination and Echocardiographic Measurements

Edition: 3rd (2016)

Authors: Bonita Anderson

Echotext Pty Ltd

Brisbane , QLD , Australia

ISBN: 9780992322212

Binding: Hardcover

Additional Textbook Information

Many of these reading resources are also prescribed within other CV69 course units.

There are some hard copies of the Echocardiography and ECG textbook resources available for short term loan through the university library.

Students are also encouraged to review the ECHO12005 Moodle eReading list which contains direct links to a variety of supplementary resources that are available electronically, including 'Craig's Essentials of Sonography and Patient Care'. Access to these resources will support your clinical placement experience.

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

Schedule

Cardiac Clinical Unit 2 Practicum - 25 Oct 2021

Module/Topic	Chapter	Events and Submissions/Topic
Content themes will be grouped and presented in a modularised format on the Moodle site.	See eReading list.	Assessment completion and submission dates will be specific to each student, based on their individual practicum commencement date. The Work Integrated Learning (WIL) team will allocate student placements and advise practicum commencement dates.

Term Specific Information

The unit coordinator for ECHO12005 Cardiac Clinical Unit 2 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).

This unit is designed as a multi-modality placement to enable familiarization with the cardiology department or clinic. This placement opportunity will provide students with their first opportunity to apply and integrate theory, practical skills, and professional behaviour into a clinical setting.

- Students are required to participate in 320 hours (8 weeks) of clinical placement in this unit.
- A minimum of 80 hrs of direct echocardiography observance / participation must be achieved during this 8-week clinical practicum block to meet Australian Sonographer Accreditation Registry (ASAR) requirements.

As placements may be located throughout Australia and/or New Zealand, and availability is limited in each community, students may be allocated to clinical sites that are not of their choosing. 100% attendance is required when undertaking clinical placement. Students must prepare financially and personally to relocate for placements.

- Please note there are public holidays during this clinical placement. These can be entered as 8 hours on the clinical attendance form and do not need to be 'made up'. If a student is sick, please advise the Clinical Supervisor and Unit Coordinator as these hours do need to be 'made up'. A medical certificate will be required by the Unit Coordinator.
- Placement blocks are not automatically extended beyond individually advised start/finish dates due to student absences mid practicum. Placement extensions require industry supervisor, Unit Coordinator and Head of Course approval. In the absence of timely notifications and submission of appropriate documentation, attendance shortfalls may delay student graduation, with outstanding hours requiring completion during an alternative practicum experience. Communications must occur with the Unit Coordinator in writing, if there is a need to extend the placement end date in order to complete unit requirements.
- If students complete the minimum 320 hours prior to the end of the clinical placement block, they are required to continue attending placement until the placement's prescribed finish date (unless an alteration to the standard placement block has been approved by the Head of Course and the Clinical Supervisor in writing).

Due to the ongoing challenges associated with the COVID-19 pandemic, and the changing nature of the situation, some clinical placements may be impacted. Support will be provided to impacted students to ensure all learning outcomes are able to be met.

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. Zoom tutorial times and meeting IDs will be posted on the unit Moodle site. Whilst attendance is strongly encouraged, tutorials will be recorded and subsequently posted to Moodle for review by those who cannot attend.

There are no prescribed recommended reading texts for this unit. Instead, a variety of supplementary reading resources and journal articles will be detailed in the eReading list.

This is a PASS/FAIL non-graded unit. All coursework must be submitted by the published assessment due dates. If you are experiencing difficulty meeting unit assessment requirements please urgently contact the unit coordinator or request an extension via the Moodle site with supporting documentation. All assessment tasks must be successfully completed to pass the unit overall.

Assessment Tasks

1 ECG Portfolio

Assessment Type

Portfolio

Task Description

The recording of the heart's electrical activity through the performance of a 12 lead Electrocardiogram (ECG) is vital in the monitoring, diagnosis, and treatment of various patients. This cardiac assessment tool is only beneficial however, when accurate clinical measurement (analysis and communication) strategies are applied. This Portfolio assessment requires students to reflect upon their ability to accurately analyse and communicate the outcome of an adult 12 lead Electrocardiogram (ECG) during routine clinical practice.

During clinical practicum, students are requested to collect five (5) ECG traces, with a trace representative from each of the following categories:

1. Sinus rhythm, tachycardia, bradycardia, or arrhythmia
2. Atrial fibrillation or ectopy
3. Bundle branch block (LBBB or RBBB) or AV block (1st, 2nd, or 3rd degree)
4. Acute myocardial infarction or ischaemia
5. Artefact anomaly (i.e. electrical, wandering baseline, muscle tremor, lead attachment or calibration error)

(Students who are unable to collect representative cases by week 4 of clinical practicum, should contact their unit coordinator for exemplars.)

Students are then required to complete the 'ECG assessment template' available on the unit Moodle site for Part A and B of this assessment task.

Part A

For ECG traces from categories 1-4, students are required to:

- apply the Step-wise method of interpretation.
- summarise key ECG features in preparation for communication of assessment outcome to a nominated clinical supervisor.

For the ECG trace from category 5, students must:

- identify key ECG findings that are associated with the demonstrated artefact.
- explain why the artefact anomaly likely occurred.
- postulate how the ECG technician could reduce or eliminate the artefact anomaly during routine practise.

At a mutually convenient time, students are responsible for scheduling a review of the 5 ECG traces analysed in Part A with their nominated clinical supervisor.

Students are required to document clinical supervisor feedback, noting any errors in clinical measurement (analysis or communication) strategies applied.

Part B

Students are required to reflect on their clinical supervisor feedback, identifying performance strength/weakness, and develop a strategy for skills improvement where applicable.

This assessment is to be undertaken as an individual. As with all other university assessments, 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.

In the absence of an approved extension, given there is no opportunity to apply a late penalty, any submission that is late will be awarded a FAIL.

Assessment Due Date

Week 6 of clinical placement. Friday 8.00pm (AEST)

Return Date to Students

Individual student results will be made available within two (2) weeks of submission.

Weighting

Pass/Fail

Minimum mark or grade

To PASS this assessment task overall, the ECG assessment template must be fully completed and all checkboxes must be achieved.

Assessment Criteria

To facilitate unit coordinate review of assessment outcomes, a copy of clinically collected ECG traces must be submitted.

The ECG assessment template (Part A and B) must be fully completed, including:

- application of the Step-wise method of ECG interpretation to ECGs from categories 1-4, and a summation of the overall impression of the presented ECG recording, as communicated to the nominated clinical supervisor.
- documentation of a proposed rationale for the artefact formation identified in ECG category 5, along with a plausible proposal for reduction or elimination of the artefact.
- summation of supervisor feedback following discussion of ECG outcomes, with clinical supervisor signature verifying discussion.
- a student reflection that identifies analysis and communication strength and weaknesses, and provides a sound strategy for skills improvement, where applicable.

In the absence of an approved extension, given there is no opportunity to apply a late penalty, any submission that is late will be awarded a FAIL.

In the event that a student does not achieve a PASS, students will only be given ONE opportunity to revise and resubmit their ECG portfolio.

- Any student who fails the first attempt will be offered additional feedback from the unit coordinator or nominated representative.
- Following additional feedback provision, the ECG portfolio re-submission will be required within 7 days of presentation.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Submission of the ECG portfolio (5 x ECG traces + Completed ECG Assessment Template) is online via the Moodle assessment tab. Clinically collected ECG traces must be de-identified of all patient details, scanned in high resolution and submitted in a PDF format. JPEG format is not acceptable.

Learning Outcomes Assessed

- Analyse and communicate the outcomes of cardiac assessment including consideration of quality assurance
- Analyse, and critically reflect upon, clinical cases involving various cardiac assessment techniques

2 ECG Quiz(zes)

Assessment Type

Online Quiz(zes)

Task Description

This assessment task will require you to complete three (3) separate quizzes.

Questions posed in each quiz will assess your ability to:

- apply a 'step-wise method' of 12-Lead ECG interpretation.
- interpret the outcome of 12-Lead electrocardiogram (ECG) studies.
- construct links between cardiovascular disease presentation, assessment, and patient outcomes.

You will be allowed two attempts at each quiz. No additional attempts will be provided.

- It is not compulsory to attempt each quiz two times.
- The highest grade you achieve will serve as your final score for that quiz.

The specific dates that each quiz opens, and closes are outlined in the due description. The duration of each quiz is tailored to promote recall of fact, rather than research of answers unknown. There is no time delay between attempts. Once started, each quiz attempt cannot be paused or restarted.

Each quiz will be marked out of 30 marks. You will have 30 minutes to complete each quiz.

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

This assessment is open book. You may benefit from having normal Electrocardiographic reference ranges and a calculator available when attempting the quiz.

The topic focus for each quiz is listed below:

- Quiz 1 - Arrhythmias
- Quiz 2 - Heart block
- Quiz 3 - Myocardial infarction

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. As with all other university assessments, 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.

Please note that the quizzes must be completed before the due date listed.

In the absence of an approved extension, given there is no opportunity to apply a late penalty, any submission that is late will be awarded a mark of zero (or Fail).

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

Number of Quizzes

3

Frequency of Quizzes

Assessment Due Date

Quiz 1 will open at 8:00am (AEST) on Wednesday 17th November and will close at 8:00pm (AEST) Saturday 20th November 2021. Quiz 2 will open at 8:00am (AEST) on Wednesday 1st December and will close at 8:00pm (AEST) Saturday 4th December 2021. Quiz 3 will open at 8:00am (AEST) on Wednesday 15th December and will close at 8:00pm (AEST) Saturday 18th December 2021.

Return Date to Students

Individual student results will be made available within two (2) weeks of quiz attempt. The online quiz question pool in its entirety will not be released to students.

Weighting

Pass/Fail

Minimum mark or grade

To PASS this assessment task, a minimum of 50% must be achieved for the combined 'overall' mark from quiz 1, 2 and 3 (i.e. 45/90 marks).

Assessment Criteria

Question responses will be assessed according to the:

- use of appropriate terminology and descriptors.
- student's ability to appropriately interpret 12-Lead electrocardiogram (ECG) studies, including application of the stepwise interrogation method.
- student's ability to succinctly respond with accurate answers, constructing links between cardiovascular disease presentation, assessment, and patient outcomes.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

The Online Quiz(zes) will be accessible through the assessment tab on Moodle.

Learning Outcomes Assessed

- Analyse and communicate the outcomes of cardiac assessment including consideration of quality assurance
- Analyse, and critically reflect upon, clinical cases involving various cardiac assessment techniques

3 ECG Practical

Assessment Type

Practical Assessment

Task Description

A 12-lead Electrocardiogram (ECG) is one of the simplest and fastest tests used by clinicians to evaluate cardiac abnormalities.

The systemic approach and application of positioning the 12-lead ECG is universal. This helps to ensure that, when a person's ECGs are compared, any changes on the ECG are due to cardiac injury. The analysis of ECG signals recorded from misplaced electrodes can lead to misinterpretation or even to significant diagnostic errors.

The objective of this assessment task is to demonstrate competency in independently performing a 12-Lead ECG in line with safe practice principles.

Students are responsible for scheduling their practical assessment with their clinical supervisor, at a mutually convenient time.

This assessment task must be attempted prior to the completion of the clinical placement block. It is recommended that the first attempt takes place prior to the 7th week of the practicum, to allow time for re-attempt if required.

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, given there is no opportunity to apply a late penalty, any submission that is late will be awarded a FAIL.

Assessment Due Date

A completed Standard 12 Lead ECG Performance ARC tool must be submitted by Monday 5.00pm AEST, week 8 of clinical placement block.

Return Date to Students

Clinical supervisors will provide direct feedback following practical assessment through both verbal conversation and return of the completed ARC tool. Any students who fail the first attempt will be provided additional counsel by the unit coordinator prior to reattempt.

Weighting

Pass/Fail

Minimum mark or grade

To PASS, a student must demonstrate an 'advanced beginner level' of practical competency (minimum grade 70%), and achieve all bold criteria as defined on the Standard 12 Lead ECG Performance ARC tool.

Assessment Criteria

You will be assessed using the Standard 12-Lead ECG 'Assessment of Readiness for Clinical' (ARC) tool. You will be required to demonstrate an 'advanced beginner level' of practical competency.

Each item in the ARC tool in BOLD must be passed, and an 'advanced beginner level' of practical competency must be demonstrated to PASS this assessment task overall.

This practical assessment must be completed within the set time frame given (20 minutes).

You will be assessed on correct ECG performance technique including:

- appropriate skin preparation
- correct rib palpation and anatomical landmark identification
- correct lead placement
- correct leads attached to correct electrodes
- ECG recorded at 25 mm/s with appropriate gain and calibration
- generation of artefact free ECG trace
- application of basic troubleshooting if required
- appropriate hygienic practice
- maintenance of patient comfort and modesty

Should a student fail the first attempt at this assessment task, only one re-attempt will be permitted.

The student will be required to develop a strategy to improve their performance. Any student who fails the first attempt is encouraged to seek additional counsel from the unit coordinator prior to re-attempt.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Standard 12 Lead ECG Performance ARC tool must be completed at the time of practical assessment by the clinical supervisor. A completed ARC tool must be submitted online via the Moodle assessment tab for each assessment attempt.

Learning Outcomes Assessed

- Perform electrophysiological and echocardiographic assessment on the cardiovascular system
- Analyse and communicate the outcomes of cardiac assessment including consideration of quality assurance

4 ECHO Practical

Assessment Type

Practical Assessment

Task Description

In preparation for clinical placement, simulation scanning laboratories offer a safe environment where students can learn and practice, without the pressure of real-world performance. This assessment task will evaluate your adaptation of practical simulation scanning skills and safe practice to clinical practice.

This practical assessment requires:

1. Demonstration of safe practice including hand hygiene and scanning ergonomics.
2. Acquisition of standard imaging windows with correct:
 - probe manipulation.
 - image plane identification.
 - identification of key anatomical landmarks.

Students are responsible for scheduling their practical assessment with their clinical supervisor, at a mutually convenient time.

This assessment task must be attempted prior to the completion of the clinical placement block. It is recommended that the first attempt takes place prior to the 7th week of the practicum, to allow time for re-attempt if required.

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, given there is no opportunity to apply a late penalty, any submission that is late will be awarded a FAIL.

Assessment Due Date

A completed Echocardiographic Practical Assessment ARC tool must be submitted by Monday 5.00pm AEST, week 8 of clinical placement block.

Return Date to Students

Clinical supervisors will provide direct feedback following practical assessment through both verbal conversation and return of the completed ARC tool. Any students who fail the first attempt will be provided additional counsel by the unit coordinator prior to reattempt.

Weighting

Pass/Fail

Minimum mark or grade

To PASS this assessment task overall, all ARC tool action criteria boxes must be ticked achieved.

Assessment Criteria

Students will be assessed using the Echocardiographic Practical Assessment 'Assessment of Readiness for Clinical' (ARC) tool. The ARC tool can be found on the unit Moodle site.

Students will be required to demonstrate professional behaviour consistent with safe practice including:

- performance of appropriate hand hygiene
- application of knowledge of infection control practices at the patient bedside
- implementation of ergonomic adjustments during routine clinical scanning

Under clinical supervisor instruction, students will be required to demonstrate basic knowledge of ultrasound scanning and window acquisition including:

- obtaining on-axis orthogonal views
- identifying sector orientation
- manipulating the transducer
- using appropriate terminology

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

The Echocardiogram Practical ARC tool must be completed at the time of practical assessment by the clinical supervisor. A completed ARC tool must be submitted online via the Moodle assessment tab for each assessment attempt.

Learning Outcomes Assessed

- Perform electrophysiological and echocardiographic assessment on the cardiovascular system
- Analyse and communicate the outcomes of cardiac assessment including consideration of quality assurance

5 Global Assessment of Professional Attributes (GAPA)

Assessment Type

Performance

Task Description

Clinical placement occurs in the professional workplace. As a clinical student you are provided access to that workplace on the condition that you demonstrate behaviours and attributes of a healthcare professional and present a positive image to the clinical facility's staff and clients. As a student in the Sonography profession in Australia, you are also required to be working toward consistent compliance with the Code of Conduct for Accredited Medical Sonographers. Clinical sites mention professional behaviour, particularly team work and empathy, as paramount in their decision to employ a cardiac sonographer. This assessment considers your ability to communicate professionally with a diverse cultural audience of patients, staff, and the general public, demonstrate professional respect for all, and function as a reliable, well organised member of the health team.

Your clinical supervisor or delegate, will be working with you in the clinical setting, directly observing your day-to-day performance. These observations and collected feedback relate to your demonstrated knowledge, skills and behaviours over a span of time, not limited to a particular cardiac modality, scan type or patient case. The observations and feedback are then used to complete the Global Assessment of Professional Attributes (GAPA) form which can be found on the unit Moodle site.

There are three main sections to the GAPA form:

- Section 1: initiative and communication
- Section 2: responsibility and demeanour
- Section 3: overall technical knowledge and skill

In each section there are multiple observable behaviours that you are required to demonstrate throughout your placement. Your assessor will score your performance based on how frequently and to what extent you demonstrate each of the listed behaviours. Your assessor is also encouraged to provide comments to expand on the scoring feedback. This assessment occurs TWICE during the placement.

The first occurs at the mid-placement point, at the end of Placement Week 4.

The mid-point GAPA assessment is formative, meaning its function is to provide you and your unit coordinator with formal documented feedback on your performance, but there are no minimum required scores related to your final grade. You are expected to use that feedback to reflect on your performance, develop an action plan to address any areas of performance that are not yet at the target level for this placement, and use the remaining weeks to achieve those targets. For any behaviour that you score well on at the mid-placement assessment, it is expected that you will continue to meet that level of performance or surpass it for the rest of the placement. It is recommended that you print a few copies of the GAPA for your supervisor at the start of your placement.

The second and final GAPA assessment must occur during Week 8, the final week of placement.

The final GAPA assessment is summative, in that its primary use is to evaluate and document your performance relative to the stated performance targets. The minimum required scores are listed on the GAPA document. Your final overall grade in this assessment depends on where you stand relative to those performance targets. As this placement is the first of four in the course, you should use this end-of-placement assessment as formative as well, to inform your plans for improvement in your subsequent placements.

If minimum scores in the mid-placement GAPA are not met, you will be regarded as a 'Student at Risk'. The unit coordinator will contact you to advise you of the risk of failing ECHO12005 and provide formative feedback. You must respond to this email to show you understand the implications of this information and give details of your plans for immediate improvement. A phone call or clinical visit will follow. Review of your progress will be completed a short time after the mid placement GAPA, at a time requested by your supervisor or unit coordinator. Unsatisfactory scores at this second GAPA will result in a fail grade for ECHO12005.

You will meet with the Head of Course to discuss the instigation of an individual learning contract for you with a view to remedying your skills, technical issues and/or behavioural issues. It will provide you with details of individual learning

goals which must be achieved within a given time-frame. The learning contract will detail learning objectives, available learning resources, strategies and methods which will be used to assess your progress. Each learning contract is individualised to the student, year level and situation at hand, but will likely involve practical labs for tuition and assessment on a regular basis, and a theoretical test to ascertain currency.

Occasionally student behaviour is beyond acceptable risk to clinical sites. Clinical supervisors contact CQUniversity academics immediately when this occurs. A GAPA assessment is requested at this time (which could be at any time during your placement). If the outcome of this GAPA is unsatisfactory, and/or the site feedback indicates that they can no longer host you due to the risk incurred, then this one GAPA alone, or site refusal to host, will constitute a FAIL.

Where such risk exists, your placement will terminate immediately. It is difficult to place such students in the clinical environment again and hence your continued progress within the echocardiography course may be at risk.

Students are responsible for scheduling their practical assessment with their clinical supervisor, at a mutually convenient time.

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, given there is no opportunity to apply a late penalty, any submission that is late will be awarded a FAIL.

Assessment Due Date

Due Date Mid Term GAPA: Monday 4.00pm AEST starting week 5 of clinical placement block. Due Date Final GAPA: First Monday 4.00pm AEST, following completion of clinical placement block.

Return Date to Students

Feedback will be provided to students identified at risk of failing on the mid term GAPA within 5 business days of GAPA submission.

Weighting

Pass/Fail

Minimum mark or grade

Mid placement GAPA is a formative item. The final GAPA is a pass/fail item. At least 36 marks from a total of 52 must be achieved (with no marks of 0) in order to pass this assessment item.

Assessment Criteria

Students will be assessed using the Global Assessment of Professional Attributes (GAPA) marking tool. The marking tool can be found on the unit Moodle site.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

The GAPA marking tool must be completed by the clinical supervisor. A completed ARC tool must be submitted online via the Moodle assessment tab for each assessment attempt.

Learning Outcomes Assessed

- Apply professional behaviour consistent with safe practice

6 Clinical Case Log Book

Assessment Type

Learning logs / diaries / Journal / log books

Task Description

The Clinical Case Log Book is a document designed to track clinical experience.

Whilst on clinical placement, you are required to maintain a record of ALL clinical cases that you observe, participate in or perform.

It is recommended that:

- the Clinical Case Logbook is completed at the end of each clinical day.
- students analyse this record at regular intervals to assist in the formulation of learning goals that will support the achievement of unit outcomes.

The Clinical Case Log Book summates clinical case exposure into two tables (non-echo and echo activities), documenting the weekly cumulative case volume under descriptive category titles.

- **Echocardiography cases** will be categorised under the following titles: Transthoracic (TTE), Transoesophageal (TOE), Stress echo (SE), Dobutamine echo (DSE), and other.
- **Other cardiac measurement modality cases** will be categorised under the following titles: ECG, Exercise stress testing (EST), Holter monitoring, Blood pressure monitoring (BP), Cath lab, Electrophysiology studies (EP), Cardiac rhythm management procedures / Pacemaker checks (CRM), and other.

Each week of the logbook must be signed by your clinical site supervisor, appropriately qualified medical practitioner, or the cardiac sonographer delegated by the clinical supervisor.

Maintenance of a Clinical Case Log Book helps to ensure that:

- an acceptable volume of clinical work is achieved
- exposure to a reasonable case variety is achieved to support development of key practical skills

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, given there is no opportunity to apply a late penalty, any submission that is late will be awarded a FAIL.

Assessment Due Date

The Clinical Case Log Book must be submitted by Monday 5.00pm (AEST), following the completion of the 8-week clinical placement block.

Return Date to Students

Feedback will be provided within two weeks of submission.

Weighting

Pass/Fail

Minimum mark or grade

Refer to assessment criteria.

Assessment Criteria

In order to achieve an overall grade of PASS for this assessment task, students must:

- Observe, participate in, or perform a minimum of 20 echocardiography cases, from any category during clinical placement.
- Ensure log book is signed by your clinical site supervisor, appropriately qualified medical practitioner, or the cardiac sonographer delegated by the clinical supervisor.
- Ensure documentation is submitted by the due date.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Submit through Moodle assessment tab. Document must be appropriately labelled with student name, student number and document descriptor as illustrated (Example identification: John SMITH_S12345_Clinical Case Log Book).

Documentation may be submitted in Word or PDF format. JPEG format is not acceptable.

Learning Outcomes Assessed

- Perform electrophysiological and echocardiographic assessment on the cardiovascular system

7 Clinical Attendance Log Book

Assessment Type

Professional Practice Placement

Task Description

The ECHO12005 clinical practicum experience is 8-weeks in duration. Students are expected to undertake clinical placement in a full time capacity, working 40 hours per week equivalent.

During this 8-week (320 hour) clinical practicum, students must:

- achieve a minimum of 80 hours (2 weeks x 40 hours) of direct echocardiography observance/participation approved by an ASAR registered Clinical Supervisor or appropriately qualified medical practitioner.
- complete an additional 240 hours (6 weeks x 40 hours) of multimodality exposure within the cardiac department.

As students are experiencing the 'real' work life of an Echocardiographer / Cardiac physiologist, they may be required to work outside of a nine to five, Monday to Friday roster and travel to various site locations.

Students may be requested to submit an 'interim log book' demonstrating hours of attendance completed at any time throughout placement, to check documentation and attendance compliance.

Once students have completed the minimum number of hours, they are required to continue attending placement until the placement's prescribed finish date unless an alteration to the standard placement block has been approved by the Head of Course and the Clinical Supervisor.

Students are advised to refer to the '**Bachelor of Echocardiographic and Cardiac Physiology / Graduate Diploma of Echocardiography - Clinical Placement Attendance Guidelines**' document for additional information. This document is available through the Work Integrated Learning - Sonia Online site, and the ECHO12005 Moodle site.

All hours worked must be entered into the Clinical Attendance Log Book. This form must be signed by the Clinical Supervisor, or a sonographer delegated this task by the Clinical Supervisor.

- The Clinical Attendance Log Book form is available on the Moodle site.
- Students are advised to print this form and read it carefully so they understand the criteria against which their clinical attendance will be evaluated.

At the end of the scheduled placement, if you have not met the 100% attendance requirement AND you have documented 'justifiable grounds' for your absenteeism, you will be provided additional scheduled time to make up the time you have missed. This scheduled make-up time may not immediately follow the scheduled placement, and/or may not be at the same placement site, depending on clinical availability.

At the end of the scheduled placement, if you have not met the 100% attendance requirement AND you 'do not have documented justifiable grounds' for the absence, you will score a 'FAIL' for this assessment item.

Leave arrangements:

Students must not organise holidays, recreational leave or personal appointments during clinical placement periods.

- Students are to notify the clinical placement site prior to their scheduled start time if they will be late arriving to the clinical placement site for any individual day throughout the clinical placement.
- Students who are absent from clinical placement due to sickness must phone their Clinical Supervisor and email their Unit Coordinator prior to their scheduled start time for that day.

For all absences, students must provide the Clinical Supervisor and Unit Coordinator with a medical certificate or statutory declaration. Any clinical placement hours lost to sickness must be made up.

Injury:

Students who are absent from clinical placement due to injury must phone their Clinical Supervisor and email their Unit Coordinator prior to their scheduled start time for that day.

- Any injury that occurs while on placement must be reported immediately to your Clinical Supervisor and Unit Coordinator.
- Medical clearance may be required before returning to placement.
- For more information on this, including fitness to practice, please refer to the Clinical Placement Attendance Guidelines on the unit Moodle site.

Any clinical placement hours missed due to injury must be made up.

Public holidays/university vacation periods:

Public holidays recognised by CQUniversity are outlined on the academic calendar.

- When a public holiday falls during a clinical placement block, public holiday dates can be entered as 8 hours for each day into the Attendance Log Book and hours are not required to be made up.
- If a designated University student vacation period coincides with the clinical placement period, students are expected to attend during this time.
- Students are advised that attendance at clinical placement takes precedence over any personal work commitments as related to absenteeism.

Any days absent from the clinical site must be appropriately documented.

COVID-19 disruptions:

Practicum non-attendance due to adherence to government or departmental COVID-19 health and safety directives should be noted in Attendance Log Book by acronym '**CD**'.

- Requirement for make-up of days absent due to COVID-19 disruptions (CD), will be evaluated on a case-to-case basis.

On occasion, student clinical placements may be suspended due to COVID-19 government / LGA directives.

- During such times, students with coexistent employment may be able to continue site attendance under scope of practice as an 'essential healthcare worker'.
- Such an arrangement is governed by student-employer contractual arrangements and separate to university

clinical placement arrangements.

- Hours of employment completed during these times can be documented on the 'outside clinical placement attendance form', provided experience matches placement learning objectives.

Outside of Clinical Placement hours:

Students are able to record clinical attendance hours completed 'outside' of clinical placement arrangements. These 'outside' attendance hours can be used to supplement those in your assessed Clinical Attendance Log Book in the event of sickness or injury, but may not be utilised for personal leave requests.

- Students are permitted to supplement up to 25% of required unit hours from outside of clinical placement.
- These hours must be documented within three (3) months prior to unit enrolment for approval by the Unit Coordinator.
- Supplementary hours outside of clinical placement must be verified (signed) by an ASAR accredited sonographer or appropriately qualified medical practitioner.

Details of student insurance or employment, must also be documented on the 'outside clinical placement attendance form' where practical experience is obtained outside of the university scheduled clinical placement block.

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, given there is no opportunity to apply a late penalty, any submission that is late will be awarded a FAIL.

Assessment Due Date

The Clinical Attendance Log Book must be submitted by Monday 5.00pm (AEST), following the completion of the 8-week clinical placement block.

Return Date to Students

Feedback will be provided within two weeks of submission.

Weighting

Pass/Fail

Minimum mark or grade

Refer to assessment criteria.

Assessment Criteria

In order to achieve an overall grade of PASS for this assessment task, students must:

- Document completion of the minimum number of hours of clinical practicum.
- Ensure log book is signed by your clinical site supervisor, appropriately qualified medical practitioner, or the cardiac sonographer delegated by the clinical supervisor.
- Ensure documentation is submitted by the due date.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Submit through Moodle assessment tab. Document must be appropriately labelled with student name, student number and document descriptor as illustrated (Example identification: John SMITH_S12345_Clinical Attendance Log Book).

Documentation may be submitted in Word or PDF format. JPEG format is not acceptable.

Learning Outcomes Assessed

- Attend clinical placement as per external accreditation requirements (Australian Sonographer Accreditation Registry).

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