



ECHO13007 Cardiac Clinical Unit 3

Term 2 - 2019

Profile information current as at 03/05/2024 04:56 pm

All details in this unit profile for ECHO13007 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, independently and under the supervision of qualified professionals. You will consolidate skills in cardiovascular assessment using echocardiography. You will then apply your knowledge to the analysis of the outcomes of cardiac assessment. Analysis of clinical case studies will enable you to provide differential diagnoses, patient management plans and reflection on practice 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 3*

Credit Points: *18*

Student Contribution Band: *8*

Fraction of Full-Time Student Load: *0.375*

Pre-requisites or Co-requisites

Prerequisite ECHO13006 AND ECHO13002 AND ECHO12005 ECHO13006 AND ECHO13002 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 2 - 2019

- 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 18-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 37.5 hours of study per week, making a total of 450 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. **Practical Assessment**

Weighting: Pass/Fail

2. **Professional Practice Placement**

Weighting: Pass/Fail

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

Weighting: Pass/Fail

4. **Case Study**

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 Unit evaluation

Feedback

Students found fortnightly tutorial topics relatable to clinical experience.

Recommendation

Continue fortnightly tutorials with clinically relevant topics.

Feedback from Unit evaluation

Feedback

Communication between the unit coordinator and students was timely and prompt.

Recommendation

Unit coordinator to continue to be available via unit Moodle site and email to students on clinical placement.

Feedback from Clinical supervisor feedback

Feedback

Students found it challenging to communicate with patients in a clinical environment.

Recommendation

Additional pre clinical information will be included in the first tutorial to cover professionalism and patient communication prior to students commencing their placements.

Unit Learning Outcomes

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

1. Perform echocardiographic assessment in the clinical context under supervision
2. Accurately communicate the outcomes of cardiac assessment including consideration of quality assurance
3. Apply professional behaviour consistent with safe practice
4. Analyse, and critically reflect on, clinical cases involving various cardiac assessment techniques.

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
1 - Practical Assessment - 0%	•	•	•	
2 - Professional Practice Placement - 0%			•	

Assessment Tasks	Learning Outcomes			
	1	2	3	4
3 - Learning logs / diaries / Journal / log books - 0%	•			•
4 - Case Study - 0%				•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes			
	1	2	3	4
1 - Communication	•	•	•	•
2 - Problem Solving	•	•	•	•
3 - Critical Thinking	•	•	•	•
4 - Information Literacy	•	•	•	•
5 - Team Work			•	•
6 - Information Technology Competence	•	•	•	•
7 - Cross Cultural Competence	•	•	•	•
8 - Ethical practice	•	•	•	•
9 - Social Innovation				
10 - Aboriginal and Torres Strait Islander Cultures				

Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Practical Assessment - 0%	•	•	•	•		•	•	•		
2 - Professional Practice Placement - 0%	•				•			•		
3 - Learning logs / diaries / Journal / log books - 0%	•					•				
4 - Case Study - 0%	•	•	•	•		•	•	•		

Textbooks and Resources

Textbooks

There are no required textbooks.

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- ZOOM

Referencing Style

All submissions for this unit must use the referencing style: [Vancouver](#)
For further information, see the Assessment Tasks.

Teaching Contacts

Laurel McDaniel Unit Coordinator
l.mcdaniel@cqu.edu.au

Schedule

Week 1 - 15 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
Professional communication, patient referrals, reporting systems and 13007 assessment overview.		Please refer to the unit Moodle site for detailed assessment due dates and tutorial information, as this clinical unit occurs outside of standard University term dates. Zoom Tutorial

Week 2 - 22 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Week 3 - 29 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
Ergonomics and technically difficult patients, chamber quantification guideline review.		Zoom Tutorial

Week 4 - 05 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Week 5 - 12 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
Diastology review and case study. Overview of Global Assessment of Professional Attributes (GAPA) Assessment.		Zoom Tutorial

Week 6 - 19 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
Week 7 - 26 Aug 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Valvular lesion review and case study. Overview of Case Study Assessment.		Zoom Tutorial
Week 8 - 02 Sep 2019		
Module/Topic	Chapter	Events and Submissions/Topic
		Students to have their Clinical Supervisor perform their mid-placement GAPA (Global Assessment of Professional Attributes). Submission online via unit Moodle.
Week 9 - 09 Sep 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Stress testing and associated case studies.		Students to submit their mid-placement GAPA by the Monday of Week 9 at 6pm AEST. Zoom Tutorial
Week 10 - 16 Sep 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Week 11 - 23 Sep 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Trans-oesophageal echocardiograms.		Zoom Tutorial
Week 12 - 30 Sep 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Week 13 - 07 Oct 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Constriction vs restriction and tamponade.		Case Study Assessment due Friday of Week 13 (11th October 2019 at 6pm AEST) Zoom Tutorial
Week 14 - 14 Oct 2019		
Module/Topic	Chapter	Events and Submissions/Topic
		Students to attempt the Practical Assessment with clinical supervisor by the end of Week 14.
Week 15 - 21 Oct 2019		
Module/Topic	Chapter	Events and Submissions/Topic
An overview of peer reviewed case studies.		Zoom Tutorial
Week 16 - 28 Oct 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Final Week of Clinical Placement		
Assessment Submission Week - 04 Nov 2019		
Module/Topic	Chapter	Events and Submissions/Topic

Practical Skills Assessment, Final GAPA Assessment, Hours of Attendance Logbook and Clinical Case Logbooks are due the first Monday following completion of your clinical placement. (Monday 4th November 2019 at 6pm AEST)

(If your clinical placement continues past initial 16 week block, your Unit Coordinator will confirm your specific assessment due dates).

Term Specific Information

The Unit Coordinator for ECHO13007 is Laurel McDaniel. In the first instance, students are requested to utilise the Moodle Q&A forum for content related questions. If the query is of a personal nature, please email l.mcdaniel@cqu.edu.au, or contact by phone at (08) 9260 4079.

This clinical unit starts 15th July 2019 and consists of a 16 week clinical placement to achieve the minimum 640 hours (16 x 40 hours) of clinical placement. You must attend your allocated clinical placement for the entirety of each working day, including the last day of placement, unless alternative arrangements have been agreed by both the Unit Coordinator and Clinical Supervisor in writing. 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 in writing. Please note that there are public holidays during your clinical placement. These can be entered as 8 hours on your clinical attendance form and do not need to be 'made up'. If you are sick, please advise your Clinical Supervisor and Unit Coordinator as these hours do need to be 'made up'. A medical certificate will be required by your Unit Coordinator. Please advise the Unit Coordinator in writing if you need to extend your placement end date in order to complete unit requirements.

This year 3 clinical unit builds on the echocardiography skills, knowledge and attributes developed during year 2 and 3 of the Bachelor of Echocardiography and Cardiac Physiology. There are no specified texts for this unit. However, you are expected to revise previous unit content related to the pathological knowledge and practical skills of echocardiography. You must ensure that the texts from previous units are available for you to consult whilst on placement. You are expected to consult texts regularly to enhance your knowledge and understanding during this clinical unit. Fortnightly tutorials will be held during the term. Specific times and meeting IDs will be posted on the unit Moodle site.

If you are experiencing difficulty meeting unit assessment requirements, please contact the Unit Coordinator. This is a pass / fail non-graded unit which means that you must pass each individual assessment in order to pass the unit. In the absence of an approved extension, all coursework must be submitted by the due date, as there is no opportunity to apply a 5% penalty due to the pass/fail nature of the assessment tasks. **Any students who have placement dates which extend past the initial 16 week block must confirm assessment due dates with Unit Coordinator via email.** A student who fails any assessment in a pass/fail course or a pass/fail component of a graded unit will be deemed to have failed that unit.

Assessment Tasks

1 Practical Assessment

Assessment Type

Practical Assessment

Task Description

For this clinical placement you must complete a practical assessment measuring your overall aptitude and competence in completing an Echocardiogram. You must achieve a level of 'Beginner' competence - student completes the scan satisfactorily and requires direction most (60% or less) of the time, as detailed in the assessment criteria.

This task will be assessed by your Clinical Supervisor, or a delegate sonographer using the Practical Assessment Marking Tool. A downloadable copy of the Practical Assessment Marking Tool can be found on the Moodle site. Please print the Practical Assessment Marking Tool and read it carefully so you understand the criteria against which your sonographic

skill, and relevant theoretical knowledge, will be evaluated. Please provide a printed copy to your Clinical Supervisor at the commencement of your placement.

This assessment task must be attempted prior to the completion of the students clinical placement block. **You are only permitted two attempts to complete this assessment task. It is recommended that the first attempt takes place in the 14th week of the 16-week placement.** Should you fail the first attempt at this assessment task, you will be provided with detailed feedback regarding your performance and areas requiring improvement. You will be required to develop a strategy to improve your performance. Guidance will be provided by both your Clinical Supervisor and the Unit Coordinator. Your Clinical Supervisor must complete and sign the assessment form before you submit it through the assessment block in the unit Moodle site. A completed practical marking tool with feedback, should be submitted to Moodle for each assessment attempt.

This is PASS/FAIL assessment. Failure to successfully complete this assessment will result in failure of the unit overall.

Assessment Due Date

A completed Practical Assessment Marking Tool with feedback, should be submitted to Moodle for each assessment attempt. Final attempt Practical Marking Tool due the Monday following the completion of your Clinical Placement.

Return Date to Students

Feedback will be provided to students within two weeks of submission. Students who do not pass the first attempt will receive prioritised feedback.

Weighting

Pass/Fail

Minimum mark or grade

This is a PASS/FAIL assessment item. The student will be assessed to a 'Beginner' level of competency on a number of criteria. To PASS, the student must receive a score of 2 or above in 36 of the 60 criteria assessed.

Assessment Criteria

The Practical Assessment Marking Tool lists the criteria against which your sonographic skill, and relevant theoretical knowledge, will be evaluated. This form can be found on the unit Moodle site.

Criteria can be grouped into several main categories. These include:

- Pre-examination tasks and instrumentation (including patient identification checks, consent and appropriate professional communication)
- Scanning technique (including two-dimensional, colour and spectral Doppler optimisation, and appropriate exam extension or modification)
- Measurement technique
- Documentation (digital image storage and labelling)
- Post-examination tasks (including worksheet completion and interpretation)
- Additional tasks (incorporating ergonomics, manual handling techniques, infection control, ethical and legal requirements)

The Clinical Supervisor or delegate may pose questions at scan conclusion to clarify understanding of any of the assessment criterion.

The Clinical Supervisor is required to evaluate multiple questions under each criterion grouping on the Practical Marking Tool. The Clinical Supervisor will grade each criterion question with a score out of 4. A score of 1 indicates that the student needs constant direction and advice, whilst a score of 4 indicates largely independent practice, requiring direction or prompting only on complex or unusual cases.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Online submissions of the completed form via unit Moodle.

Learning Outcomes Assessed

- Perform echocardiographic assessment in the clinical context under supervision
- Accurately communicate the outcomes of cardiac assessment including consideration of quality assurance
- Apply professional behaviour consistent with safe practice

Graduate Attributes

- Communication

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

2 Professional Behaviour: Global Assessment of Professional Attributes (GAPA)

Assessment Type

Professional Practice Placement

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.

Clinical sites mention professional behaviour, particularly team work and empathy, as paramount in their decision to employ a 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 in the echocardiography lab with you, 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 scan type or patient case. The observations and feedback are then used to complete the Global Assessment of Professional Attributes (GAPA) form provided.

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

A downloadable copy of the GAPA form can be found on the unit Moodle site.

This placement represents the students first dedicated echocardiography placement. Prior to this scanning placement, students have demonstrated professional and technical scanning competency in a simulated environment on normal, photogenic peers. The GAPA 'Overall technical knowledge, skills and behavioural attributes' critiques need to be evaluated within the context of the practical competency level that the students must attain **at the end** of each clinical practicum. These applicable competency levels are defined within the practical assessment marking tool associated with each clinical placement (ie. ASAR described competency level of 'Beginner - ECHO13007', 'Advanced Beginner - ECHO 20004', and finally 'Competent - ECHO20005').

Occasionally student behaviour is beyond acceptable risk to clinical sites. Clinical Supervisors will 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 a FAIL grade, and/or the site feedback indicates that they can no longer host you due to the risk incurred, then this fail grade in your GAPA assessment, will constitute a fail of ECHO13007. Where such risk exists, your placement will terminate immediately.

Clinical sites may prematurely terminate a clinical placement if student skill progression is deemed insufficient despite documented constructive feedback, significant support and intervention. Prior to confirmation of clinical placement termination, extensive consultation in conjunction with both the university designated Unit Coordinator and student involved would occur.

Assessment Due Date

First GAPA assessment is due at the end of week 8 of placement. The second and final GAPA assessment is due the first Monday following the completion of your Clinical Placement.

Return Date to Students

Interim feedback will be provided to students within two weeks of submission of the first GAPA. Students identified as 'at risk' of failing will receive prioritised feedback.

Weighting

Pass/Fail

Minimum mark or grade

The final GAPA at the completion of this placement, is a PASS/FAIL assessment item. To PASS, the student must receive an overall score of 39 marks or more, from a potential of 56 marks, and additionally is not permitted any scores of 0.

Assessment Criteria

- In each section of the GAPA, there are multiple observable behaviours that a student is required to demonstrate throughout placement.

The GAPA is used to assess behavioural attributes including:

Section 1: Initiative and communication

Section 2: Responsibility and demeanour

Section 3: Technical knowledge and skill application

Your assessor will score your clinical performance based on how frequently and to what extent you demonstrate each of the listed behaviours. The Clinical Supervisor will allocate a score of 0,1 or 2.

- A score of 0 indicates that the student does not demonstrate this behavioural attribute, or demonstrates it in an unacceptable manner.
- A score of 1 indicates that the student demonstrates this behaviour attribute, but needs some improvement.
- A score of 2 indicates that the student consistently demonstrates this behaviour attribute (>70% of the time) to a high level.

Your assessor is also encouraged to provide comments to expand on the scoring feedback.

This assessment occurs twice during the placement. **The first GAPA occurs at the mid-placement point, during Week 8.**

If minimum scores in the mid-placement GAPA are not met, you will be regarded as a '**Student at Risk**' of failing the clinical unit overall.

- The Unit Coordinator will contact you to advise you of the risk of failing ECHO13007 and provide formative feedback via email. You must respond to this email to show you understand the implications of this information.
- You will be required to reflect on your performance and the feedback provided, and to 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.
- Review of your progress will be completed a short time after the mid placement GAPA, at any time as requested by your Clinical Supervisor or Unit Coordinator.

Note: If behavioural attributes within any section of the GAPA are deemed a 'patient safety risk', student placement may be cancelled immediately, prior to completion of the allocated clinical placement block.

The second assessment occurs during week 16 of your clinical placement. The end-of-placement GAPA assessment is summative. 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. Unsatisfactory scores obtained at the second GAPA attempt, will result in a FAIL grade for ECHO13007 overall.

Failure of this clinical unit will require you to meet with the Head of Course to discuss the instigation of an individual learning contract for you with a view to remedying your scanning skills, technical issues and/or behavioural issues. The learning contract will detail learning objectives, available learning resources, strategies and methods which will be used to assess your progress. This will likely involve scanning skills labs for tuition and assessment on a regular basis.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Two separate online submissions of the completed GAPA form are required, one at the end of week 8 and the other at the end of week 16 of your clinical placement.

Learning Outcomes Assessed

- Apply professional behaviour consistent with safe practice

Graduate Attributes

- Communication

- Team Work
- Ethical practice

3 Hours of Attendance Logbook & Clinical Case Logbooks

Assessment Type

Learning logs / diaries / Journal / log books

Task Description

Hours of Attendance Logbook:

It is expected that you attend 100% of the time during your 16 week clinical placement to achieve the minimum 640 hours (16 X 40 hours) of direct echocardiography observance/ participation or related activities approved by your ASAR registered Clinical Supervisor or appropriately qualified medical practitioner. All hours worked must be entered into the Clinical Attendance Logbook form. This form must be signed by your Clinical Supervisor, or a sonographer delegated this task by your Clinical Supervisor. The Clinical Attendance Logbook form is available in the assessment block in the unit Moodle site. Please print this form and read it carefully so you understand the criteria against which your clinical attendance will be evaluated. 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.

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 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 Logbook 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 must be aware that the attendance of clinical placement takes precedence over any personal work commitments as related to absenteeism.

Hours Outside of Clinical Placement

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. Outside of hours placement may only be used in the event of sickness or injury and may not be utilised for personal leave requests. Please note: supplementary hours outside of clinical placement must be verified (signed) by an ASAR accredited sonographer or appropriately qualified medical practitioner. Details of either your insurance, or employment, must be entered onto the outside clinical placement attendance form.

Clinical Case Logbook:

The Clinical Case Logbook is a document designed to track clinical experience. This logbook documents all observed, partially or fully completed echocardiography cases that a student is exposed during clinical placement. The Clinical Case Logbook will also incorporate details of case exposure obtained during any hours of attendance submitted from 'outside of clinical placement'.

Maintenance of a Clinical Case Logbook helps to ensure that:

- a) an acceptable volume of clinical work is achieved
- b) exposure to a reasonable case variety is achieved, and
- c) key practical skills are developing.

The Clinical Case Logbook incorporates the following data:

1. Cover page(s) which present two tables summing the weekly cumulative case volume under descriptive headings. Summative tally is based on the actual scan findings, NOT the referral indications.
2. The date of each examination.
3. Allocation of a unique identifier for each patient to ensure anonymity.
4. Referral indications
5. Type of echocardiogram performed (i.e. Adult, Paediatric, Stress/Dobutamine, TOE)

6. Student level of scan participation (Observed, partially, or fully completed examination)
7. Case Findings

The Clinical Case Logbook entries must be signed by the Clinical Supervisor or appropriately qualified medical practitioner.

Assessment Due Date

The first Monday following the completion of your Clinical Placement.

Return Date to Students

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

Weighting

Pass/Fail

Minimum mark or grade

This is a pass / fail assessment piece.

Assessment Criteria

Clinical Attendance:

In order to achieve an overall grade of 'Pass' in this assessment task, you must:

- Meet the minimum number of hours required on the attendance form
- Ensure the documentation the assessment is complete
- Upload each completed assessment for into the unit Moodle site by the due date

At the end of the scheduled 16 weeks of 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 16 week placement, and / or may not be at the same placement site, depending on clinical availability). At the end of the scheduled 16 weeks of 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.

Clinical Case Logbook:

The Clinical Case Logbook serves as a record of the depth and breadth of experience you attained during the placement. It demonstrates the degree of progression of your skill development within and across examination types. You should analyse this record at regular intervals to assist in the formulation of learning goals that will support your achievement of the unit outcomes. During this clinical placement, a student must observe or partially or fully complete a minimum of 320 echocardiograms.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Please note: The designated Clinical Supervisor must verify logbook is an accurate representation of the echocardiographic cases that the student has participated in during placement. A copy of this verification needs to be submitted with the electronic Clinical Case Logbook.

Learning Outcomes Assessed

- Perform echocardiographic assessment in the clinical context under supervision
- Analyse, and critically reflect on, clinical cases involving various cardiac assessment techniques.

Graduate Attributes

- Communication
- Information Technology Competence

4 Case Study

Assessment Type

Case Study

Task Description

You will complete a case study based on a clinical study in which you have taken part in during this clinical placement. Read the article 'Using a clinical decision-making framework to foster sonographer student learning in the clinical setting' by Thoirs and Sim prior to completing this case study. This article is available on the unit Moodle site. According to Thoirs and Sim (2016), clinical reasoning or clinical decision making, occurs in the clinical placement when students use critical thinking based on prior theoretical knowledge relative to a specific situation or patient. A clinical decision-making framework may help students to apply theoretical knowledge in the clinical setting. This framework helps students to identify and prioritise learning, promote self-reflection and future decision making and facilitate diagnostic thought processes.

The described published article and framework template are available on the unit Moodle site. The case study should be written in the framework style as described in the article.

Use the clinical decision-making framework to evaluate the following:

- **Encounter:** did the encounter data include cultural considerations, protocols around patient and echocardiographer safety, the consent process, pre-test history. Was there an established purpose of the examination?
- **Hypothesis generation:** when generating a hypothesis, were possible pathophysiology relevant to the echocardiogram examination, possible associated conditions, complications or mimics of the suspected condition included? What was the most likely condition suggested by the pre-encounter data? What are the associated conditions? Which structures are most likely involved?
- **Assessment:** did the echocardiographic assessment include a contextual analysis of echocardiographic information obtained? What protocol, image optimisation techniques, possible modifications were required due to patient presentation or echocardiogram findings? Did it include the additional data?
- **Evaluation:** Did the echocardiographic examination answer the clinical question? What is the most likely diagnosis? Is a differential diagnosis possible? Did the diagnosis include normal and abnormal appearances, applicable reference measurements, and future pathways for the patient with this diagnosed condition?
- **Reflection:** Did reflection of the clinical decision-making process include a critical and reflective analysis of approach? What was done well or lacking during the exam? If gaps in knowledge were identified, what is the appropriate action plan in the future?

Image submission: The anonymised provisional or final echocardiographic report should be included as an appendix to the case study. The echocardiographic case study presented must be accompanied by the submission of de-identified DICOM images. The DICOM images can be submitted to the Unit Coordinator. Upload and share via a google drive folder link. Time and date, as well as technical information must be retained on the images.

Word count: 1500-2000 words. Excess words will not be assessed. Word count does not include headings or references, but does include diagram explanations and labelling.

Referencing: Vancouver. Minimum 8 peer reviewed journal articles must be cited. Literature titles must be current (<5 years of age), except seminal works.

Assessment Due Date

Due Week 13 (Friday 11th October 2019 6pm AEST)

Return Date to Students

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

Weighting

Pass/Fail

Minimum mark or grade

A minimum pass mark of 50% is required in order to pass. This is a pass/fail assessment item. You must pass this assessment to pass this unit.

Assessment Criteria

You will be assessed on your ability to:

- Produce a scholarly case study
- Provide clear and concise de-identified information regarding the patient encounter
- Demonstrate a high degree of comprehension associated with the condition provided in the hypothesis
- Provide a contextual analysis of the examination and information obtained
- Evaluation of data obtained is analytical and logically structured
- Comprehensive reflective analysis of what the sonographer did well or could be improved

A copy of the marking rubric can be found on the unit Moodle site. This is a PASS/FAIL assessment. The minimum passing grade is 50%.

In the event that the first submission does not meet the minimum requirements as per the marking rubric, the student

will be provided with feedback and guidance by the Unit Coordinator. The student will then have an opportunity to revise and resubmit the case study within one week of receiving feedback.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Online submission via Moodle.

Learning Outcomes Assessed

- Analyse, and critically reflect on, clinical cases involving various cardiac assessment techniques.

Graduate Attributes

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

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