ECHO13007 *Cardiac Clinical Unit 3*
Term 2 - 2020

Profile information current as at 03/05/2024 06:24 am

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 Adult Echocardiography AND ECHO13002 Cardiac Assessment Skills OR ECHO13008 Advanced Cardiac Assessment Skills AND ECHO12005 Cardiac Clinical Unit 2Note:ECHO13006 AND ECHO13002 OR ECHO13008 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 - 2020

- 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

Tutorials are scheduled at least 30 minutes too early for students to attend.

Recommendation

Evening tutorials were hosted outside of business hours so that students in multiple time zones could attend. Although the unit coordinator did ask students on multiple occasions for tutorial attendance feedback, no response was given. In the future, the unit coordinator can canvas students for a tutorial time that works for most students across multiple time zones.

Feedback from Unit evaluation

Feedback

Students found the transition from on-campus lab scanning in lab tutorials to scanning real patients quite difficult.

Recommendation

The transition to the clinical world can be a challenge, the purpose of this clinical unit is to expose students to real live patients and to gain experience and to transfer their acquired skills. This information can be reiterated to students at the start of this unit so they are reassured we are only assessing to a beginner level for this unit.

Feedback from Clinical supervisors

Feedback

Students demonstrated an understanding of anatomy of pathology however but still require improvement.

Recommendation

Students will be encouraged to review topics relevant to anatomy and pathology encountered on placement on a regular basis. Students will be reminded and encouraged to contact the unit coordinator if they encounter difficulty.

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

| — N/A Level | ○ Introductory Level | ○ Intermediate Level | ● Graduate Level | ○ Professional Level | ○ Advanced Level |

Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	**2**	**3**	**4**
1 - Practical Assessment - 0%	●	●	●	
2 - Professional Practice Placement - 0%			●	
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

Shae Cromb Unit Coordinator
s.m.cromb@cqu.edu.au

Schedule

Week 1 - 13 Jul 2020		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
ECHO13007 assessment overview Professional communication and aspects of clinical practice		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 - 20 Jul 2020		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
Week 3 - 27 Jul 2020		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
LV and RV function assessment		**Clinical Attendance Form 1** due by Monday at 5pm AEST Zoom Tutorial
Week 4 - 03 Aug 2020		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
Week 5 - 10 Aug 2020		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
Valve lesions		**Clinical Attendance Form 2** due by Monday at 5pm AEST Zoom Tutorial

Week 6 - 17 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic

Week 7 - 24 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
Diastology		**Clinical Attendance Form 3** due by Monday at 5pm AEST Zoom Tutorial

Week 8 - 31 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
		Practical Assessment **Mid-placement GAPA (Global Assessment of Professional Attributes)**

Week 9 - 07 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Stress echocardiography		**Clinical Attendance Form 4** due by Monday at 5pm AEST **Practical Assessment Images** due by Monday at 5pm AEST **Mid-placement Clinical Case Logbook** due by Monday at 5pm AEST Zoom Tutorial

Week 10 - 14 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic

Week 11 - 21 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Transoesophageal echocardiography		**Clinical Attendance Form 5** due by Monday at 5pm AEST Zoom Tutorial

Week 12 - 28 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
		Case Study Assessment due by Friday at 5pm AEST

Week 13 - 05 Oct 2020

Module/Topic	Chapter	Events and Submissions/Topic
Constriction Vs Restriction		**Clinical Attendance Form 6** due by Monday at 5pm AEST Zoom Tutorial

Week 14 - 12 Oct 2020

Module/Topic	Chapter	Events and Submissions/Topic
		Practical Assessment

Week 15 - 19 Oct 2020

Module/Topic	Chapter	Events and Submissions/Topic

Clinical Attendance Form 7 due by Monday at 5pm AEST

Zoom Tutorial

Week 16 - 26 Oct 2020

Module/Topic	Chapter	Events and Submissions/Topic

Assessment Submission Week - 02 Nov 2020

Module/Topic	Chapter	Events and Submissions/Topic
		Students to submit the following assessments on the first Monday following clinical placement by 5pm AEST:

• **Practical Skills Assessment**
• **Final GAPA Assessment**
• **Clinical Attendance Form 8**
• **Final Clinical Case Logbook**

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

Term Specific Information

The Unit Coordinator for ECHO13007 is Shae Cromb. In the first instance, students are requested to utilise the Moodle Q&A forum for content related questions. If the query is of a more personal nature, please contact Shae via email at s.m.cromb@cqu.edu.au or phone on (08) 9260 4053.

This clinical unit starts 13th July 2020 and consists of a 16 week clinical placement to achieve the minimum 640 hours (16 x 40 hours) of clinical placement. Students must attend the allocated clinical placement for the entirety of each working day, unless alternative arrangements have been agreed by both the Unit Coordinator and Clinical Supervisor in writing. If students complete the minimum 640 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.

Please note that 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. Please advise the Unit Coordinator in writing if there is a need to extend the 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, students are expected to revise previous unit content related to the pathological knowledge and practical skills of echocardiography. Students must ensure that the texts from previous units are available to consult whilst on placement. Students are expected to consult texts regularly to enhance 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 a student is experiencing difficulty meeting unit assessment requirements, please contact the Unit Coordinator. This is a pass/fail non-graded unit which means that a student 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, 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 students must complete a practical assessment measuring their overall aptitude and competence in completing an echocardiogram. Students must achieve a level of 'beginner' competence - student completes the scan satisfactorily and requires direction 60% (or less) of the time, as detailed in the assessment criteria.

This task will be assessed by the 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 to understand the criteria against which sonographic skill, and relevant theoretical knowledge, will be evaluated. Please provide a printed copy to the Clinical Supervisor at the commencement of placement.

This assessment task must be attempted prior to the completion of the students clinical placement block. It is recommended that the first attempt takes place in the 14th week of the 16 week placement. **Should a student fail the first attempt at this assessment task, only one re-attempt will be permitted.** The student will be provided with detailed feedback regarding performance and areas requiring improvement. The student will be required to develop a strategy to improve their performance. Guidance will be provided by both the Clinical Supervisor and the Unit Coordinator. The Clinical Supervisor must complete and sign the assessment form before the student submits 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.

The submission must be accompanied by de-identified DICOM images of the echocardiogram performed. All clinical information must be de-identified to protect patient privacy and confidentiality. Relevant details for submission of DICOM images can be located on the Moodle site. If all attempts to de-identify the echocardiography images have failed, the student must request permission from the patient to provide their images to CQUniversity for educational purposes. The patient must provide written consent by completing the form provided on the unit Moodle site. The DICOM images must be submitted to the unit coordinator via a Google drive folder link.

This is a PASS/FAIL assessment and must be submitted by the due date. Failure to successfully complete this assessment will result in failure of the unit overall.

Assessment Due Date

A completed Practical Assessment Marking Tool should be submitted to Moodle for each assessment attempt. The Practical Marking Tool and DICOM images are due the Monday following the completion of clinical placement.

Return Date to Students

Clinical supervisors will provide direct feedback at time of assessment. Any students who fail the first attempt will receive prioritised feedback.

Weighting
Pass/Fail

Minimum mark or grade
The student will assessed to a 'beginner' level of competency. To PASS, the student must receive a score of 2 or above in 36 of the 60 criteria assessed. The final PASS/FAIL grade for this assessment will be at the discretion of the Unit Coordinator.

Assessment Criteria
The Practical Assessment Marking Tool lists the criteria against which 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.

The final PASS/FAIL grade for this assessment will be at the discretion of the Unit Coordinator.

Referencing Style

- Vancouver

Submission
Online

Submission Instructions
Online submissions of the completed form via the unit Moodle site. De-identified DICOM images uploaded to a Google drive folder and shared with Unit Coordinator.

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. Clinical students are provided access to that workplace on the condition that they 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 a students 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.

A Clinical Supervisor, or delegate, will be working in the echocardiography lab with the student, directly observing day-to-day performance. These observations and collected feedback relate to 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, echogenic 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.

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 placement). If the outcome of this GAPA is a FAIL grade, and/or the site feedback indicates that they can no longer host a student due to the risk incurred, then this fail grade in the GAPA assessment, will constitute a fail of ECHO13007. Where such risk exists, 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

The 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 clinical placement.

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
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 34 marks or more, from a potential of 56 marks.

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

The assessor will score a students clinical performance based on how frequently and to what extent the student demonstrates 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.

The 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, the student will be regarded as a 'Student at Risk' of failing the clinical unit overall.

- The Unit Coordinator will contact the student to advise of the risk of failing ECHO13007 and provide formative feedback via email. The student must respond to this email to show they understand the implications of this

information.

- The student will be required to reflect on their 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 the students progress will be completed a short time after the mid placement GAPA, at any time as requested by the 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 clinical placement. The end-of-placement GAPA assessment is summative. For any behaviour that a student scores well on at the mid-placement assessment, it is expected that the student 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 the student to meet with the Head of Course to discuss the instigation of an individual learning contract with a view to remedying 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 the students 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 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
It is expected that students attend 100% of the time during the 16 week clinical placement to achieve the minimum 640 hours (16 X 40 hours) of direct echocardiography observance/participation or related activities approved by an ASAR registered Clinical Supervisor or appropriately qualified medical practitioner.

All hours worked must be entered into the Clinical Attendance Forms. These forms must be signed by the Clinical Supervisor, or a sonographer delegated this task by the Clinical Supervisor and submitted fortnightly. The Clinical Attendance Forms are available in the assessment block in the unit Moodle site. Please print these forms and read carefully to understand the criteria against which 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. For all absences due to illness, students must provide the Clinical Supervisor and Unit Coordinator with a medical certificate or statutory declaration.

Any injury that occurs while on placement must be reported immediately to the 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.

Students who are absent from clinical placement due to illness or injury must phone their Clinical Supervisor and email their Unit Coordinator prior to the scheduled start time for that day. Any clinical placement hours missed due to illness or 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 illness 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 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 to 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 summating the weekly cumulative case volume under descriptive headings. The 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

Clinical Attendance Forms are due fortnightly with the first due Monday of week 3. Two separate submissions of the Clinical Case Logbook are due at mid placement and end of placement. The final Clinical Attendance Form and Outside Hours form are due Monday following completion of clinical placement.

Return Date to Students

Individual student feedback will be provided only if assessment criteria deficits are identified.

Weighting
Pass/Fail

Minimum mark or grade
This is a PASS/FAIL assessment item.

Assessment Criteria
Clinical Attendance:
In order to achieve an overall grade of 'PASS' in this assessment task, a student must:

- Meet the minimum number of hours required on the attendance forms
- Ensure the documentation is complete

- Upload each completed assessment form into the unit Moodle site by the due date

At the end of the scheduled 16 weeks of placement, if a student has not met the 100% attendance requirement AND has documented justifiable grounds for absenteeism, the student will be provided additional scheduled time to make up the time 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 a student has not met the 100% attendance requirement AND does not have documented justifiable grounds for the absence, the student 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 a student has attained during placement. It demonstrates the degree of progression of skill development within and across examination types. Students should analyse this record at regular intervals to assist in the formulation of learning goals that will support achievement of the unit outcomes.

During this clinical placement, students should aim to observe or partially or fully complete a minimum of 320 echocardiograms.
This number is a recommendation only as considerations have been made to accommodate the impact of COVID19 on placement sites

The Clinical Case Logbook is to be submitted twice during the clinical placement block (mid-placement and end of placement).

Referencing Style

- Vancouver

Submission
Online

Submission Instructions
The designated Clinical Supervisor must verify the forms and logbook are an accurate representation of the hours completed and echocardiographic cases participated in during placement. All submission to be made online via Moodle.

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
Students will complete a case study based on a clinical study in which they 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.

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.

Students must 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 must 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 or relevant text books must be cited. Literature titles must be current (<5 years of age), except seminal works.

Assessment Due Date

Due Friday of Week 12.

Return Date to Students

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

Weighting
Pass/Fail

Minimum mark or grade
This is a PASS/FAIL assessment item. A minimum pass mark of 50% is required in order to pass. Students must pass this assessment to pass the unit.

Assessment Criteria
Students will be assessed on the 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 pass grade is 50%. Any submissions made after the due date will be subject to a late submission penalty of 5% per day (or part there of). This penalty will be applied to the written component.

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