ECHO20004 *Cardiac Clinical Unit 4*
Term 1 - 2019

All details in this unit profile for ECHO20004 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 graduate clinical unit builds on the skills, knowledge and attitudes developed during the Bachelor of Echocardiography and Cardiac Physiology. You will perform diagnostic cardiac ultrasound and other cardiac assessment and analyse the outcomes to specified levels of competency. You will evaluate clinical findings to formulate a differential diagnosis and initiate further investigation 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. You will apply knowledge of patient safety, risk management and quality improvement in health care to undertake a limited clinical audit of a cardiac assessment facility. You will examine reasons for adverse events identified, prioritise action and identify appropriate intervention as part of a quality improvement implementation strategy.

Details

Career Level: *Postgraduate*
Unit Level: *Not Applicable*
Credit Points: *18*
Student Contribution Band: *8*
Fraction of Full-Time Student Load: *0.375*

Pre-requisites or Co-requisites

Prerequisite ECHO13007 Cardiac Clinical Unit 3 ECHO13007 Cardiac Clinical Unit 3 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 1 - 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 Postgraduate 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. **Practical Assessment**
Weighting: Pass/Fail
3. **Professional Practice Placement**
Weighting: Pass/Fail
4. **Learning logs / diaries / Journal / log books**
Weighting: Pass/Fail
5. **Case Study**
Weighting: Pass/Fail
6. **Portfolio**
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](#).

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 upon, clinical cases involving cardiac ultrasound and other assessment techniques
5. Attend clinical placement as per external accreditation requirements (Australian Sonographer Accreditation Registry)
6. Formulate strategies for improvement based on clinical findings related to quality improvement, risk management and patient safety culture.

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	5	6
1 - Practical Assessment - 0%	●	●				
2 - Performance - 0%			●	●		
3 - Professional Practice Placement - 0%				●		●
4 - Learning logs / diaries / Journal / log books - 0%	●				●	
5 - Case Study - 0%					●	
6 - Portfolio - 0%						●

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes					
	1	2	3	4	5	6
1 - Knowledge	○	○	○	○		○
2 - Communication	○	○	○	○	○	○
3 - Cognitive, technical and creative skills	○	○		○		○
4 - Research				○		○

Graduate Attributes	Learning Outcomes					
	1	2	3	4	5	6
5 - Self-management	○	○	○	○	○	○
6 - Ethical and Professional Responsibility	○	○	○	○	○	○
7 - Leadership		○	○	○		
8 - 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
1 - Practical Assessment - 0%	○	○	○		○	○		
2 - Performance - 0%	○	○			○	○	○	
3 - Professional Practice Placement - 0%		○			○	○		
4 - Learning logs / diaries / Journal / log books - 0%	○				○			
5 - Case Study - 0%	○	○	○	○	○	○	○	
6 - Portfolio - 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)

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

Week 1 - 18 Feb 2019

Module/Topic	Chapter	Events and Submissions/Topic
Clinical placement commences 18/02/2019 and concludes 07/06/2019 or as otherwise agreed with the Unit Coordinator/Head of Course. Theory topic of week - Clinical Governance.		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. This unit consists of a sixteen (16) week clinical placement, to a minimum of 640 hours (16 x 40 hours).

Week 2 - 25 Feb 2019

Module/Topic	Chapter	Events and Submissions/Topic
Theory topic of week - Sonographer safe practice		Zoom tutorial.

Week 3 - 04 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Theory topic of week - Clinical Audit's and Defining Quality Service in Radiology.		

Week 4 - 11 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
This week is the actual start of Term 1 2019 for CQU. Theory topic of week - Risk Management 1: Risk Management and Adverse Events.		Zoom tutorial.

Week 5 - 18 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Theory topic of week - Risk Management 2: Common Risks and Hazards in Cardiac Imaging. Fade Analysis.		

Week 6 - 25 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Theory topic of week - Risk Management 3: Risk Management in Radiology.		Zoom tutorial

Week 7 - 01 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Theory topic of week - Implementing Change 1: A Practical Framework for Closing the Gaps. Implementing Change - Barriers and Strategies.		

Week 8 - 08 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic

Mid Clinical Placement GAPA is due.

Theory topic for week -Implementing
Change 2: CQU Risk Management
Policy.

Week 9 - 15 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Theory topic of week - Patient Safety Culture: Behaviour in Response to Change. Patient Safety Culture.		

Week 10 - 22 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Theory topic of week - Quality Management in Medical Echocardiography/Quality Assurance in Cardiac Imaging 1. Quality assurance in Radiology. Quality in Sonography 1.		Zoom tutorial

Week 11 - 29 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Theory topic of week - Quality in Sonography 2.		

Week 12 - 06 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
REVISION OF CONTENT.		Zoom tutorial

Week 13 - 13 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
REVISION OF CONTENT		

Week 14 - 20 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
REVISION OF CONTENT		Zoom tutorial Case study is due week 14 of clinical placement Friday 24th May 2019 5pm AEST.

Week 15 - 27 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
REVISION OF CONTENT		Portfolio is dueWeek 15 of clinical placement Monday 27th May 2019 5pm AEST.

Final Week of Placement: Week 16 - 03 Jun 2019

Module/Topic	Chapter	Events and Submissions/Topic
REVISION OF CONTENT		

Assessment Submission Week - 08 Jun 2019

Module/Topic	Chapter	Events and Submissions/Topic

NB. Practical assessment due date corresponds with the Monday following the last week of clinical placement. Final GAPA assessment is due Monday 10th June 2019, 5pm AEST. Professional practice placement assessment is due Monday 10th June 2019, 5pm AEST. Learning logs/diaries/journal/log books assessment is due Monday 10th June 2019, 5pm AEST.

Assessment 1 - Practical Assessment Due: Review/Exam Week Monday (10 June 2019) 5:00 pm AEST
Assessment 4 - Clinical Case Log Due: Review/Exam Week Monday (10 June 2019) 5:00 pm AEST

Term Specific Information

The Unit Coordinator for ECHO20004 is Jacqui Tarrant. Communication for this unit should be via the Q & A forum on your Moodle site. If the communication is of a more personal nature, you may contact Jacqui via email, or by phone. Please use your **CQU student email only** for correspondance. Jacqui's work days are: Tuesday, Wednesday and Thursday and she is based at the Brisbane Campus.
Jacqui's email contact is j.tarrant@cqu.edu.au and office phone number is: 07 30234160 EXT 54160.
This clinical unit starts three weeks before the first week of term 1 (18th February) 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.
Fortnightly tutorials will be held during the term. Specific times and meeting IDs will be posted on the unit Moodle site. 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 if you need to extend your placement end date in order to complete unit requirements.
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 ha been approved by the Discipline Lead and the Clinical Supervisor.
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. 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 negotiated to extend placement dates will be eligible for assessment extensions. Please confirm your extended clinical placement dates by contacting the 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.
Please note that the required text book for this unit is: Wolff A., Taylor S. 2009 Enhancing Patient Care: A Practical Guide to Improving Quality and Safety in Hospitals.

Assessment Tasks

1 Assessment 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 Advanced Beginner' competence (Level 3) - Student completes the scan satisfactorily and requires direction some (40% 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 sheet provided on your Moodle site. Please provide a printed copy to your clinical supervisor at the commencement of your placement.

Please print this form and read it carefully so you understand the criteria against which your sonographic skill, and relevant theoretical knowledge, will be evaluated.

Discuss the best time to complete this assessment with your clinical supervisor. After the assessment ask for feedback so you can focus your efforts at improvement in the areas mentioned by your supervisor. If you do not meet the required standard on your first attempt, you must seek detailed feedback from your assessor so you can develop a strategy to improve your performance. You should share your plan for improvement with your assessor. You may then repeat this assessment and must achieve the required level. Your clinical supervisor must complete and sign the assessment form before you submit it through the assessment block in the unit Moodle site. The assessment must be attempted prior to completion of the clinical placement block.

You are permitted two attempts to complete this assessment task.

For attached competency level marking sheet please click [here](#)

Assessment Due Date

Review/Exam Week Monday (10 June 2019) 5:00 pm AEST

Practical assessment is to be uploaded onto the Moodle site the Monday following clinical placement. Usually Monday 10th June 2019 11.45pm.

Return Date to Students

Exam Week Friday (21 June 2019)

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

Weighting

Pass/Fail

Minimum mark or grade

This is a PASS/FAIL assessment piece. The student is aiming to achieve a level of "Advanced Beginner". To achieve this level, the student must attain a minimum of forty two (36) scores of 3 (or higher), and no scores of 1.

Assessment Criteria

This practical assessment is used to evaluate the development of the student's ultrasound scanning abilities when undertaking a normal echocardiographic ultrasound examination.

During this clinical placement the student will be scanning real-life patients and will be assessed to an 'Advanced Beginner' level – requiring direction most (40% or less) of the time.

This assessment must be conducted before the end of the students' clinical placement. As the student is permitted two attempts to complete this assessment, it is recommended that the first attempt takes place in the 14th week of the 16-week placement.

Please grade your student on each criterion according to how independent he or she is upon your direction and support. 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.

Tick the grade best describing your student's average performance in each area, and please describe a specific example of good performance or areas for improvement in the comments box on page 6. The student is aiming to achieve a level of 'Advanced Beginner". To achieve this level, the student must attain a minimum of thirty-four (36) scores of 3 (or higher) from the marking sheet.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Students are to submit their practical assessment online via 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

Graduate Attributes

- Knowledge
- Communication
- Cognitive, technical and creative skills
- Self-management

- Ethical and Professional Responsibility

2 Assessment 2 -Global Assessments of Professional Attributes (GAPA)

Assessment Type
Practical Assessment

Task Description
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.
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 is performed TWICE during the placement – at the midpoint (week 8) and at the completion (week 16). You are expected to use feedback given to you after the first GAPA 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 GAPA forms click here

Assessment Due Date

First GAPA assessment is due mid placement (Monday Week 9 of clinical placement 15/04/19) The second GAPA assessment occurs toward the end of Week 16, the final week of the placement. The second GAPA is due at the end of Clincal Placement, Monday 10th June 2018 by 5pm AEST..

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. To PASS, on the 2nd and final GAPA the student must receive an overall score of thirty-two (32) marks or more, from a potential of forty-four (44) marks, and additionally is not permitted any scores of zero (0).

Assessment Criteria
Students are given a score for each for each of these behavioural attributes: Initiative and Communication, Responsibility and Demeanour, Overall Technicall Knowledge and Skill graded from 0-2. At the midpoint GAPA, the student should be given sufficient formative feedback to improve their behavioural performance if required. Any significant issues should be brought to the attention of the unit coordinator following the midpoint GAPA (or earlier if required). 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 ECHO20004 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 any time as requested by your supervisor or unit coordinator.

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 scanning skills, technical issues and/or behavioural issues. It will provide you with details of individual learning goals which must be achieved within a given timeframe. 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.
The end-of-placement 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 in the Assessment Criteria section for the Global Assessment of Professional Atributes (GAPA) on your Moodle site.
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 32 marks or more, from a potential of 44
marks, and additionally is not permitted any scores of 0. Unsatisfactory scores at this second GAPA will result in a fail grade for ECHO20004.

Referencing Style

- [Vancouver](#)

Submission
Online

Submission Instructions
Two separate online submissions of the completed form via unit Moodle at the end of week 8 and week 16 of your clinical placements.

Learning Outcomes Assessed

- Accurately communicate the outcomes of cardiac assessment including consideration of quality assurance
- Apply professional behaviour consistent with safe practice

Graduate Attributes

- Knowledge
- Communication
- Cognitive, technical and creative skills
- Self-management
- Ethical and Professional Responsibility
- Leadership

3 Assessment 3 - Hours of Attendance Log Book

Assessment Type
Professional Practice Placement

Task Description
To pass this assessment you must achieve a minimum of 640 hours (16 X 40 hours) of clinical attendance. Any days away from your clinical site must be documented.
Over the course of your 16 week clinical placement all hours worked must be entered into the clinical attendance form. This form must be signed by your clinical supervisor, or a sonographer delegated this task by your clinical supervisor. The clinical attendance 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. If you are away from your clinical institution during placement work hours, you MUST supply a verifiable supporting document indicating why you have not attended. Both your clinical supervisor and the unit coordinator MUST be informed of any absences from your clinical placement. Any absence for part, or all of, a working day must be made up after, or during (e.g Saturday /evenings if available), the clinical placement.
You can supplement any defecit in log book hours with hours accrued from 'outside clinical placement'. You can submit the 'outside clinical placement' attendance form dated between the end of year 3 placement and the start of year 4 (first) placement.
Details of this are in the 'Outside Placement Hours' information tab on the unit Moodle site.
Please note: The Logbook must be verified (signed) by an ASAR accredited sonographer or appropriately qualified medical practitioner.
Details of either your insurance, or employment, must be entered in the Outside Clinical Placement Attendance form on your moodle site.

Assessment Due Date

Your attendance sheets are due on the Monday following your final week of placement. 10th June 2019 by 5pm AEST.

Return Date to Students

Feedback will be given approximately within 2 weeks of submission.

Weighting
Pass/Fail

Assessment Criteria
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,
accurately record your studies in the clinical case log,
ensure the documentation of each assessment is complete, and
upload each completed assessment for into the unit Moodle site by the due date.

Referencing Style

-

Submission
Online

Submission Instructions
Your Clinical Attendance Forms must be submitted by the Monday following end of Clinical Placement (usually Monday 10th June 2019 by 5pm AEST) via the Moodle site.

Learning Outcomes Assessed

- Apply professional behaviour consistent with safe practice

Graduate Attributes

- Communication
- Self-management
- Ethical and Professional Responsibility

4 Assessment 4 - Clinical Case Log

Assessment Type
Learning logs / diaries / Journal / log books

Task Description
The clinical 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 type. 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.
You are required to keep a tally of the number of studies observed, and either partially or fully completed. In the clinical log book, each case will be categorised into one of the following areas: Adult, Stress/ Dobutamine, Congenital, TOE, and Paediatric. In addition to clinical log book, students are required to complete an 'echo findings form'. This form documents referral indications and findings observed for all scans either fully or partially completed whist on placement. Complete the table and submit to your unit Moodle site with your Attendance Record.
For Clinical Logbook click [here](#)   For Echo Findings form click [here](#)

Please note: The logbook must be verified (signed) by an ASAR accredited echocardiographer, clinical supervisor or a Cardiologist/Radiologist.
Should opportunities present, students are encouraged to take part in a broad range of cardiac focused clinical activities during their dedicated echocardiography placements. The focus of these clinical activities must support the development of echocardiography and cardiac physiology knowledge and skills. The student's ASAR registered supervisor must agree that exposure is relevant, and be happy to sign off on all hours of attendance. Any shortfall in hours of attendance, will otherwise have to be made up by the student. Students must prioritise echocardiography based practical skill sets, and accept responsibility for attaining competency levels appropriate to the end of each placement.

Assessment Due Date
Review/Exam Week Monday (10 June 2019) 5:00 pm AEST
Monday 10th June 2019 by 5pm AEST, or the first Monday following the completion of your Clinical Placement. Any students whose clinical placement dates have been negotiated to extend beyond these due dates will be eligible to apply for an extension to the unit coordinator.

Return Date to Students

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

Weighting
Pass/Fail

Minimum mark or grade
Pass/Fail. You must pass this assessment to pass this unit.

Assessment Criteria
Please note: Each week of the logbook must be signed by your clinical site supervisor, cardiologist/radiologist, or an echocardiographer delegated by the clinical supervisor.
There is no minimum number of examinations required, however please track your numbers as to ensure some

experience is happening under each of the different categories.

Referencing Style

- [Vancouver](#)

Submission
Online

Submission Instructions
The Clinical Case Logbook is to be submitted online via the Moodle site.

Learning Outcomes Assessed

- Perform echocardiographic assessment in the clinical context under supervision
- Analyse, and critically reflect upon, clinical cases involving cardiac ultrasound and other assessment techniques

Graduate Attributes

- Communication
- Cognitive, technical and creative skills
- Self-management

5 Assessment 5 - Case Study

Assessment Type
Case Study

Task Description
You will choose a clinical study which you have taken part in during this clinical placement and complete a clinical case study on it. The case study should be written in the style described by Thoirs and Sim in their published article 'Using a clinical decision-making framework to foster sonographer student learning in the clinical setting'.The described published article and template are available on the unit Moodle site. Use the template provided on the Moodle site which is structured to include five components:
1. Pre-encounter and encounter components- information gathering around the patient presentation;
2. Hypothesis generation – the making of a tentative diagnosis based on the information gained in the previous component;
3. Hypothesis driven assessment- sonographic assessment to gather further information;
4. Hypothesis evaluation- the combination and cognitive synthesis of previous components to make a sonographic diagnosis; and
5. Reflection and consolidation of learning from the case. For guidance on these components click [here](#)
For clincal case study guidelines click [here](#)
Maintenance of patient confidentiality must be adhered throughout. The clinical information must be DE-IDENTIFIED for each case to protect patient privacy and confidentiality. Identifying factors include, but are not limited to, the clinical site name, patient name, identification number and date of birth, reporting cardiologist, clinical staff and referring doctor.

Assessment Due Date

Due Week 14 of Clinical Placement (Friday 24th May 2019) 5pm AEST.

Return Date to Students

Feedback will be provided within 2 weeks of submission.

Weighting
Pass/Fail

Assessment Criteria
The Case Study will be assessed on the following components: pre-encounter and encounter components, hypothesis generation, hypothesis driven assessment, hypothesis evaluation, reflection, referencing, terminology, word count and grammar.
The general format of a case report is as follows:
1. Pre-encounter and encounter components: These two components focus on information gathering, which involves sourcing information about the patient from patient records and from the patient directly. Students will also consider clinical, cultural, ethical and patient mobility information. Clinical supervisors assist the students in understanding the clinical context of the examination and factors that may impact on the technical appoach, safety of the patient and echocardiographer and the communication approach.
2. Hypothesis generation - In this component, the supervisor helps the student formulate the focus of the examination based on the previous information gathering components. This includes assisting with identifying possible conditions that might exist in the patient and prioritising those conditions based on discriminating clincal features.

3. Hypothesis driven assessment - This component refers to the echocardiogram examiniation and how it is conducted. It is formed by previous information gathering and hypothesis generating components and the knowledge of protocols and equipment that is used to undertake the scan. During the examination, additional information may be collected, which requires the examination technique to be modified. This may occur because of the physical and/or echocardiographic presentation of the patient. For example, echocardiographic appearances may be unfamiliar or confusing to the student or the image may be degraded because of body habitus, both of which will require a modified approach.
4. Hypothesis evaluation -In this section, the information that has been gathered in all of the sections above are integrated to form the echocardiographers report.
5. Reflection - This section of the framework is included for all students to self assess their performance and knowledge, including ethical, cultural or communication issues. With guidance from your supervisor, you can be encouraged to identify any unresolved issues by looping back to earlier parts of the framework to identify any gaps in the examination or your knowledge and to devise an action plan to adress those gaps.
The case study will be graded as Excellent/Good, Average, or Poor/Fail. The Case Study is out of 100 marks. A grade of 50% is required to pass. Please see the marking sheet under the assessment block of the unit Moodle site. Case reports must be submitted with all identifying factors removed. Identifying factors include such things as patient name, date of birth and clinical site name for example.
In the event that the first submission does not meet the minimum requirements as per the marking rubric, you will be provided with feedback and guidance by the unit coordinator. You will then have an opportunity to revise and resubmit the case study within one week of receiving feedback.
Evaluate the following:

- Does your encounter data include cultural considerations, protocols around patient and echocardiographer safety, the consent process, pre-test history and an established purpose of the examination?

- When generating a hypothesis, does it include possible pathophysiology relevant to the echocardiogram examination, possible associated conditions, complications or mimics of the suspected condition? What is the most likely condition suggested by the pre-encounter data? What are the associated conditions? Which structures are most likely involved?

- Did the echocardiographic assessment include protocol, image optimisation techniques, possible modifications required due to patient presentation or echocardiogram findings? Did it include the additional data obtained?

- Did the echocardiographic diagnosis include normal and abnormal appearances, applicable reference measurements, and future pathways for the patient with this diagnosed condition? Have you described normal and abnormal findings and correlation with other information to provide us with the most likely diagnosis and alternatives?

- Did the reflection on the clinical decision making process include how you thought critically and a reflective analysis? What was done well, what could have been done better, was the examination complete, is there a gap in skills or knowledge? Is there an appropriate action plan?

Assessment criteria also includes using between 10 – 15 references, most from peer reviewed journal publications which lend weight to the academic discussion and conclusion. Aim for articles published in the past 5 years with no references greater than 10 years old.
• Referenced using Vancouver referencing style. Support materials for the Vancouver Referencing System are available in the course Moodle site.
• Number the pages, use headings and subheadings, use 1.5 or double spacing and a legible font.
• Within word count of 1500-2000 words. This does not include in-text citations, reference lists, appendices (if included), labels and titles for images, diagrams, tables & graphs. Word count – Words in excess of the 2000 word count will not be read / marked as part of the assessment.
• Submit the Clinical Case Study as a word document (doc., docx., not write protected) through the unit Moodle site so it is processed by Turnitin.
• You must pass this assessment to pass the course. The pass mark for this assessment is 50%.For marking RUBRIC click here

Referencing Style

- Vancouver

Submission
Online
Submission Instructions
Submission is to be uploaded to the Moodle site as a word document (doc., docx., not write protected) through the unit Moodle site so it is processed by Turnitin by Friday 24th May 2019 5pm AEST.

Learning Outcomes Assessed

- Analyse, and critically reflect upon, clinical cases involving cardiac ultrasound and other assessment techniques

Graduate Attributes

- Knowledge
- Communication
- Cognitive, technical and creative skills
- Research
- Self-management
- Ethical and Professional Responsibility
- Leadership

6 Assessment 6 - Portfolio

Assessment Type
Portfolio

Task Description
Undertaking a clinical audit, as part of a quality management process, occurs in all imaging practices on a cyclical basis. In this assessment, you will complete a small part of a clinical audit. Successful completion of this assessment is a course requirement of the Australian Sonographers Accreditation Registry (ASAR).
You will prepare a 2000 word (+/- 10%) report about quality management in a cardiac imaging workplace. This will include identifying adverse events, identifying contributing factors, near misses or potential adverse events and suggesting recommendations for quality improvement.
You will complete a report on actual or possible adverse events, near-misses, quality management factors, risk assessment and patient safety in a Cardiac Imaging Department. Your responses can include your own, or a colleague's experiences or observations in any clinical echocardiography environment.
This assessment task involves completing a series of tasks.
These tasks include:
1. Describe problems in the echocardiography environment and identify conctributory factors.
a. List 5 (five) adverse events from within a clinical echocardiography department and describe two (2) in depth. Identify these from personal observations, oral recollections by colleagues or written accounts. For example, not correctly identifying the patient. b. Identify contributory factors: Complete a Fishbone diagram for one adverse event from part 1a. In the Fishbone diagram, you must identify the root cause(s) of this event. This information will enable you to construct a strategy of prevention or minimization. A completed example of a Fishbone diagram is on the unit Moodle site to guide you.
2. Developing a model action plan for change to improve care is time and work intensive. It requires a framework for quality task force participants to follow without skipping steps. One such problem-solving model is the FADE method of effective problem solving (Krasker et al. 1992). Analyse one adverse event described in question 1 using part of the FADE method (focus, analyse, develop and execute) of effective problem solving.
Details of the FADE method are on the unit Moodle site. Your text is a key source of information for this task. Note: You will not be undertaking the 'execute' part of the FADE method.
3. Complete quality management tasks (a-e) below about one (1) of the adverse events identified in part 1 (this may differ from the event analysed in 2).
Your text is a key source of information for this task.
a. Management causation scale, describe whether medical management rather than disease process caused an adverse event
b. Medical management analysis severity scale, to rate the severity and preventability of an adverse event
c. An error cause scale.
d. Assessment of the preventability of adverse errors.
e. What further action would you recommend?
4. Complete a risk assessment matrix for ten (10) possible hazards in the clinical workplace.
This will involve describing ten possible hazards and the risk(s) associated with each hazard. Complete an evaluation of each risk using a risk matrix/register and evaluate precautions likely to reduce consequences and /or likelihood of a recurrence. Further details are on the Unit Moodle site.
5. Measure and evaluate the patient safety culture in your clinical workplace using the Manchester Patient Safety Framework Evaluation Sheets. Work with a partner in your clinical workplace to complete this.
Submit the completed Manchester Patient Safety Framework Evaluation Sheets and produce a brief written discussion of your results.
Your final report will include
• cover page,
• contents page,
• data presented in figures, tables or diagrams,

• discussion of results, or further action, for some tasks
• short directive paragraphs and objective language
An introduction and conclusion is not required. Recommendations for improvement will relate to specific sections of the portfolio.
Many of these require understanding of quality management terminology and concepts to explain your experiences and recommendations. Explanations of terminology and the relevance of various findings are in your prescribed text. This text includes worked examples of many of your tasks. Other exemplars and resources are on the unit Moodle site. For exemplar click here

Assessment Due Date

Due Week 15 of Clinical Placement (Monday 27th May 2019).

Return Date to Students

Feedback will be provided within two weeks of submission.

Weighting
Pass/Fail

Minimum mark or grade
50%

Assessment Criteria
Your assessment will be evaluated using the following Criteria
• Production of a complete, informative quality management portfolio.
• Informed rationale for choices made.
• Application of concepts to analysis of events, observations and data collected.
• Proposal of relevant, feasible plans for improvement.
• Explicit organisation in a logical way, including use of appropriate titles, headings and sub-headings.
• Relevancy and prioritisation of content.
• Application of concepts and correct use of terminology.
• Information supported by credible, up to date references correctly cited.
• Correct labeling of legible diagrams, tables and graphics appropriately cited.
• Correct use of terminology of quality practice.
• Critical analysis, and application of relevant theory to data collected.
• Accurate completion of quality improvement tools.
• Correct grammar and spelling.
• Adherence to the word limit.
• Use of footers with student/ assessment name & number and page number on each page.
• Legible font 12 pt.
• Marking rubric available on your unit Moodle site.
Please note:
• Assessment length should be 2000 (+/-10%) words, excluding references (including in-text), diagrams, tables, graphics and completed quality improvement tools.
• Diagrams must be cited / referenced.
• The list of references should be contained at the end of the assessment.
• Use the Vancouver referencing system.
For marking RUBRIC click here

Referencing Style

- Vancouver

Submission
Online

Submission Instructions
Portfolio is to be submitted Submission is to be uploaded to the Moodle site as a word document (doc., docx., not write protected) through the unit Moodle site so it is processed by Turnitin by Monday 27th May 2019 11.45pm.

Learning Outcomes Assessed

- Formulate strategies for improvement based on clinical findings related to quality improvement, risk management and patient safety culture.

Graduate Attributes

- Knowledge

- Communication
- Cognitive, technical and creative skills
- Research
- Self-management
- Ethical and Professional Responsibility
- Leadership

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