



ECHO28002 Assessment of Cardiac Function

Term 2 - 2022

Profile information current as at 09/12/2022 10:34 pm

All details in this unit profile for ECHO28002 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

Accurate evaluation of cardiac function is important for clinical decision-making and follow-up assessment. Currently, echocardiography is the most commonly used method to obtain this information. In this unit, you will build on your knowledge of cardiac anatomy and ultrasound applications. You will analyse echocardiographic measurements to assess chamber size, systolic and diastolic function and perform haemodynamic calculations, including intracardiac pressure estimation. You will apply your knowledge to a variety of cardiovascular pathologies and case studies.

Details

Career Level: *Postgraduate*

Unit Level: *Level 8*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Pre-requisite: ECHO28001 Cardiac Imaging, Haemodynamics and Pharmacotherapy ANDECHO28007 Cardiac Anatomy and Pathophysiology

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 - 2022

- Online

Attendance Requirements

All on-campus students are expected to attend scheduled classes - in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

Website

[This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.](#)

Class and Assessment Overview

Recommended Student Time Commitment

Each 6-credit Postgraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

Class Timetable

[Regional Campuses](#)

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

[Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

1. **Online Quiz(zes)**

Weighting: 40%

2. **Case Study**

Weighting: Pass/Fail

3. **Online Test**

Weighting: 60%

4. **Professional Practice Placement**

Weighting: Pass/Fail

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

Weighting: Pass/Fail

Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the [University's Grades and Results Policy](#) for more details of interim results and final grades.

CQUniversity Policies

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

You may wish to view these policies:

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

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

Previous Student Feedback

Feedback, Recommendations and Responses

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

Feedback from Tutorial feedback from students and SUTE (student unit and teaching evaluation).

Feedback

Students found case studies and questions during tutorials useful as this contextualized theory learnt in the corresponding week.

Recommendation

Clinical case studies will continue to be developed and questions posed during tutorials to continue engagement with students and illustrate the application of content.

Feedback from SUTE (Student unit and teaching evaluation)

Feedback

Students find it hard to know if their practical skills are developing appropriately and in a timely fashion, given clinical training approach can vary widely in various industry settings.

Recommendation

Review of support offered to clinical supervisors. Suggestion of scaffolding of practical skills and practical learning objectives.

Feedback from SUTE (student unit and teaching evaluation)

Feedback

Students indicated lecture format was well received.

Recommendation

Lectures will continue in current format for 2022 delivery and updates made as necessary.

Unit Learning Outcomes

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

1. Evaluate cardiac function (including chamber size, systolic and diastolic ventricular function and intracardiac pressures estimation) using echocardiographic derived assessment data and haemodynamic calculations
2. Compare the aetiology, pathophysiology, diagnostic assessment process and patient management strategy for a variety of cardiovascular disease processes
3. Demonstrate professional behaviour and communication skills consistent with cardiac sonography practice
4. Engage in cardiac ultrasound practice as per external accreditation requirements (Australasian Sonographer Accreditation Registry).

Linked to the Australian Sonographers Accreditation Registry (ASAR) Accreditation Standards for Cardiac Sonography:

Foundation Units of Competence

- Unit 1: Deliver safe, patient centred service
- Unit 2: Practice within professional and ethical frameworks
- Unit 3: Locate, analyse and synthesise information to support evidence based practice
- Unit 4: Contribute to workplace health and safety and quality assurance
- Unit 5: Communicate effectively

Critical Practice Unit of Competence

- Unit 8: Cardiac

Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

| Assessment Tasks | Learning Outcomes | | | |
|--|-------------------|---|---|---|
| | 1 | 2 | 3 | 4 |
| 1 - Case Study - 0% | • | • | | • |
| 2 - Online Quiz(zes) - 40% | • | • | | |
| 3 - Online Test - 60% | • | • | | |
| 4 - Professional Practice Placement - 0% | | | • | |
| 5 - Learning logs / diaries / Journal / log books - 0% | | | | • |

Alignment of Graduate Attributes to Learning Outcomes

| Graduate Attributes | Learning Outcomes | | | |
|--|-------------------|---|---|---|
| | 1 | 2 | 3 | 4 |
| 1 - Knowledge | ○ | ○ | ○ | ○ |
| 2 - Communication | ○ | ○ | ○ | ○ |
| 3 - Cognitive, technical and creative skills | ○ | ○ | | ○ |
| 4 - Research | ○ | ○ | | |
| 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 - Case Study - 0% | ○ | ○ | ○ | ○ | ○ | ○ | | |
| 2 - Online Quiz(zes) - 40% | ○ | ○ | ○ | ○ | | | | |
| 3 - Online Test - 60% | ○ | ○ | ○ | ○ | | | | |
| 4 - Professional Practice Placement - 0% | ○ | ○ | | | ○ | ○ | | |

| Assessment Tasks | Graduate Attributes | | | | | | | |
|---|---------------------|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 5 - Learning logs / diaries / Journal / log books - 0% | ○ | ○ | ○ | | ○ | ○ | | |

Textbooks and Resources

Textbooks

ECHO28002

Prescribed

Sonographer's Guide to the Assessment of Heart Disease

1st edition (2016)

Authors: Anderson B. A

Echotext

Brisbane , QLD , Australia

ISBN: 9780992322205

Binding: Paperback

Additional Textbook Information

[View textbooks at the CQUniversity Bookshop](#)

IT Resources

You will need access to the following IT resources:

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

Referencing Style

All submissions for this unit must use the referencing style: [Vancouver](#)

For further information, see the Assessment Tasks.

Teaching Contacts

Kim Prince Unit Coordinator

k.prince@cqu.edu.au

Schedule

Week 1 - 11 Jul 2022

| Module/Topic | Chapter | Events and Submissions/Topic |
|--|----------------------------|------------------------------|
| Left ventricular size and global systolic function | See eReading list for unit | |

Week 2 - 18 Jul 2022

| Module/Topic | Chapter | Events and Submissions/Topic |
|--------------|---------|------------------------------|
| | | |

Regional left ventricular systolic function See eReading list for unit

Week 3 - 25 Jul 2022

| Module/Topic | Chapter | Events and Submissions/Topic |
|---|----------------------------|------------------------------|
| Physiology of left ventricular diastole | See eReading list for unit | |

Week 4 - 01 Aug 2022

| Module/Topic | Chapter | Events and Submissions/Topic |
|---|----------------------------|---|
| Assessment of left ventricular diastolic function | See eReading list for unit | Online Quiz 1 opens at 8:00 am Thursday 4th August and closes Friday 5th August 8:00pm (AEST). |

Week 5 - 08 Aug 2022

| Module/Topic | Chapter | Events and Submissions/Topic |
|--|----------------------------|------------------------------|
| Left ventricular diastolic function in special populations | See eReading list for unit | |

Vacation Week - 15 Aug 2022

| Module/Topic | Chapter | Events and Submissions/Topic |
|--------------|---------|------------------------------|
| Break week | | |

Week 6 - 22 Aug 2022

| Module/Topic | Chapter | Events and Submissions/Topic |
|-------------------------------------|----------------------------|------------------------------|
| Right ventricular size and function | See eReading list for unit | |

Week 7 - 29 Aug 2022

| Module/Topic | Chapter | Events and Submissions/Topic |
|---------------------------------|----------------------------|---|
| Right heart pressure estimation | See eReading list for unit | Mid GAPA submission Due Wednesday 1st September 5:00pm (AEST). |

Week 8 - 05 Sep 2022

| Module/Topic | Chapter | Events and Submissions/Topic |
|--------------|----------------------------|--|
| Strain | See eReading list for unit | Online Quiz 2 opens Thursday 8th September 8:00am (AEST) and will close Friday 9th September 8:00pm (AEST). |

Week 9 - 12 Sep 2022

| Module/Topic | Chapter | Events and Submissions/Topic |
|----------------------------------|-------------------|------------------------------|
| Contrast and 3D Echocardiography | see eReading list | |

Week 10 - 19 Sep 2022

| Module/Topic | Chapter | Events and Submissions/Topic |
|------------------------|----------------------------|---|
| Pulmonary hypertension | See eReading list for unit | Case study Due: Week 10 Friday (23 Sept 2022) 5:00 pm AEST |

Week 11 - 26 Sep 2022

| Module/Topic | Chapter | Events and Submissions/Topic |
|-----------------------|----------------------------|------------------------------|
| Systemic hypertension | See eReading list for unit | |

Week 12 - 03 Oct 2022

| Module/Topic | Chapter | Events and Submissions/Topic |
|---------------|---------|------------------------------|
| Revision week | | |

Review/Exam Week - 10 Oct 2022

| Module/Topic | Chapter | Events and Submissions/Topic |
|--------------|---------|------------------------------|
|--------------|---------|------------------------------|

Exam week

Final Online test will open Thursday 13th October 8:00am (AEST) and close Friday 14th October 2022 8:00pm (AEST).

Exam Week - 17 Oct 2022

| Module/Topic | Chapter | Events and Submissions/Topic |
|--------------|---------|--|
| Exam week | | Final GAPA submission due Wednesday 19th October 5:00pm (AEST). Clinical Attendance Log Book Due: Exam Week Friday (21 Oct 2022) 8:00 pm AEST |

Term Specific Information

Unit Coordinator and Contact details:

The coordinator for ECHO28002 Assessment of Cardiac Function is Kim Prince. The most efficient and preferred method of contacting Kim is via the Q&A forum located on the unit Moodle site. If your query is of a personal nature, please contact Kim directly via email (k.prince@cqu.edu.au) or phone (07 30234244). Multiple academic staff will be providing presentations and hosting tutorials as part of this unit's delivery. Contact details for other academic staff can be found on the Moodle site.

Unit Tutorials:

Tutorials for this unit will be delivered 'live' online using ZOOM fortnightly. The links required for accessing the tutorials are provided on the Moodle site under the virtual classes tab. The tutorials will focus on more in depth discussion on certain topics along with answering any student questions and contextualisation of key concepts in preparation for related assessments. Lectures are used to present the central information for the week's study, outlining the main theories and principles of the topic under consideration. Tutorials provide an opportunity for discussion and interaction with other students and with your tutor. It is important students make the most of these interactive sessions and participate fully in order to broaden knowledge and experience with the course material. To help staff prepare the fortnightly tutorials, please post to the Q&A forum or email the unit coordinator any questions that you might have in relation to the learning material.

Note: Tutorials are recorded for educational purposes. Recordings of Zoom tutorials may be uploaded and appear on YouTube, Moodle and Microsoft Teams. If you have any concerns about being recorded please turn off your webcam or audio, or both, during the session. Your participation will signify your consent to the recording and publication for educational purposes. Weekly revision material will be provided. Attempting all provided revision material will help you prepare for your online quiz(zes) and test. No new lecture material will be presented during week 12 of term. This week will be used to prepare for the final assessment. Please ensure that you review the 'Welcome video' available on the Moodle site for further unit specific information.

Assessment Tasks

1 Online Quiz(zes) 1

Assessment Type

Online Quiz(zes)

Task Description

The assessment task will require you to complete two (2) separate quizzes.

It is the student's individual responsibility to commence each online quiz allowing adequate time for completion.

The quizzes will automatically close and submit the completed student answers once the allocated time has elapsed.

Questions:

Questions will be drawn from a resource bank to allow quizzes to be different for each student. Each quiz will be comprised of a variety of multiple choice, short answer and long answer style questions.

Students are reminded that IT support from the university Information and Technology Division (TASAC) is only available

during AEST business hours.

This assessment is to be undertaken as an individual. Colluding with other students on non-group work tasks is considered academic misconduct, and may lead to action being taken by the Deputy Dean of Learning and Teaching HMAS. Refer to the assessment policy document for additional university guidelines regarding assessments.

Number of Quizzes

2

Frequency of Quizzes

Other

Assessment Due Date

Online Quiz 1 opens 8:00am (AEST) Thursday 4th August 2022 and will close 8:00pm (AEST) Friday 5th August 2022 and will assess content from weeks 1-3. Quiz 2 will open at 8:00am (AEST) on Thursday 8th September 2022 and close at 8:00pm (AEST) on Friday 9th September 2022 and will assess content from weeks 4-6.

Return Date to Students

Individual student results and feedback will be made available within 2 weeks of submissions. The online quiz question pool in its entirety will not be released to students.

Weighting

40%

Minimum mark or grade

50%

Assessment Criteria

Students will be required to answer a variety of online questions.

Question responses will be assessed according to the:

- Use of appropriate terminology and descriptors as well as grammar and spelling;
- Student's ability to appropriately interpret presented sonographic images and cardiac assessment data;
- Student's ability to succinctly respond with accurate answers.

The number of marks allocated for each question will be indicated within the quiz. Question marks are allocated based on the accuracy, depth and breadth of required responses. Your score from each individual quiz will contribute 20% to your final grade. Thus, your combined score from the quizzes will contribute to 40% of your final unit grade (2 quizzes x 20% = 40%).

The specific dates that each quiz opens and closes are outlined in the due description. Please note that the quizzes must be completed before the quiz closure time listed.

In the absence of an approved extension, there will be no opportunity to complete the task after this date, and there will be no opportunity to apply a late penalty of five percent per day.

Any quiz not attempted by the scheduled due date and time, without approved extension granted, will receive a mark of zero.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

The online quiz(zes) will be accessible through the assessment tab on Moodle.

Learning Outcomes Assessed

- Evaluate cardiac function (including chamber size, systolic and diastolic ventricular function and intracardiac pressures estimation) using echocardiographic derived assessment data and haemodynamic calculations
- Compare the aetiology, pathophysiology, diagnostic assessment process and patient management strategy for a variety of cardiovascular disease processes

Graduate Attributes

- Knowledge
- Communication

- Cognitive, technical and creative skills
- Research

2 Case study

Assessment Type

Case Study

Task Description

Students must submit one case study during this clinical placement.

The purpose of this case study submission is to:

- Provide the unit coordinator with an opportunity to critically evaluate and moderate student's technical performance on a case that they have performed as part of their clinical workload.
- Facilitate the continued development of student clinical reasoning.
- Encourage student reflection and self-improvement, of both technical and research skills, pathology knowledge and assessment strategies.

The submitted case study must demonstrate:

Ventricular function assessment including a comprehensive systolic and diastolic evaluation

- Ventricular function assessment including a comprehensive systolic and diastolic evaluation
- The case study cannot have normal diastolic function.

There are two parts to this assessment task:

Part 2a: Written case study.

Part 2b: Accompanying echocardiographic DICOM study.

The student must have completed the majority of the echocardiographic scan submitted (i.e. obtained no less than 60% of the submitted digital clips). Images obtained by the clinical supervisor must be identified in the written case study or on the DICOM digital clips themselves. The student must have performed the submitted case study during the current academic term.

2a: The case study submission must include:

- Referral details provided by requesting doctor
- Patient care considerations.
- Brief discussion of any previous imaging or medical testing available.
- Variations in scanning protocol used, including justification.
- Identification of study limitations (imaging and/or measurement).
- Detailed description of study findings and pathology identified, including grading of severity in accordance with ASE guidelines.
- Discussion of aetiology and pathophysiology.
- Discussion of appropriate additional investigations indicated (ie: stress or Dobutamine, left or right heart catheterization/angiography, MRI, CTCA etc), including how this could influence patient management).
- Brief explanation of likely or expected disease progression and patient management (including any follow up consultation or testing details if available at the time of case study completion).
- A copy of the anonymized provisional or final echocardiographic report.
- Clear identification of any supervisor assistance provided to complete the examination.

The echocardiographic case study presented must be accompanied by the submission of de-identified digital images in DICOM format.

All clinical information must be de-identified to protect patient privacy and confidentiality. Time and date stamp along with technical information should be retained on the echocardiographic image display. 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 patient consent form must be submitted with the case study. A detailed marking rubric can be found on the Moodle site.

The case study will be deemed an automatic fail if the images are not de-identified or patient consent not provided.

This assessment is to be undertaken as an individual. Colluding with other students on non-group work tasks is considered academic misconduct, and may lead to action being taken by the Deputy Dean of Learning and Teaching HMAS. Students are advised to refer to the 'Assessment Policy and Procedure (Higher Education Coursework) document' for additional university guidelines regarding assessments.

This is a PASS/FAIL assessment.

Word count: Strictly 1500-2000 words. Word count does not include headings or references but does include diagram explanations and labelling.

Assessment Due Date

Week 10 Friday (23 Sept 2022) 5:00 pm AEST

Upload the assessment through Moodle assessment tab which must include a link to the accompanying DICOM images by the due date and time.

Return Date to Students

Individual student results and feedback will be available two (2) weeks after submissions.

Weighting

Pass/Fail

Assessment Criteria

Both part 2a Written case study and part 2b Accompanying echocardiographic DICOM study will be critiqued using the the marking rubric which can be downloaded from the unit Moodle site.

Both assessment components (part 2a and part 2b) must be passed in order to pass the case study overall.

To pass each assessment component ALL associated criteria descriptors must be successfully demonstrated.

This rubric will evaluate:

- The diagnostic quality of the examination performed, in particular, the scan technique and protocol adopted by the student.
- Image optimisation and image selection representative of pathology.
- Measurement technique.
- Discussion of clinical presentation, aetiology, pathophysiology, echocardiographic findings, patient management and likely follow-up.
- Student's reflective analysis identifying components of the scan that could have been improved.
- Ability to construct a scholarly report that is succinct and demonstrates appropriate application of scientific and language conventions.
- Ability to reference correctly according to the Vancouver guide.

Case studies submitted without accompanying echocardiographic DICOM images will not be marked, and will automatically be awarded a FAIL grade.

Case studies that do not achieve a pass grade will be returned to the student with appropriate feedback. Students are permitted one re-submission opportunity only (imaging component and/or written component as required). Any re-submission attempt is required within two (2) weeks of receiving feedback.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Submission to be uploaded as a word document (doc., docx., not write protected) through the Moodle site so it is processed by Turnitin. De-identified DICOM images uploaded to a Google drive folder and shared with the Unit Coordinator.

Learning Outcomes Assessed

- Evaluate cardiac function (including chamber size, systolic and diastolic ventricular function and intracardiac pressures estimation) using echocardiographic derived assessment data and haemodynamic calculations
- Compare the aetiology, pathophysiology, diagnostic assessment process and patient management strategy for a variety of cardiovascular disease processes
- Engage in cardiac ultrasound practice as per external accreditation requirements (Australasian Sonographer Accreditation Registry).

Graduate Attributes

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

3 Online test

Assessment Type

Online Test

Task Description

This online test will assess your understanding of the content presented within this unit. Questions may be drawn from content presented in lectures, additional resources provided (eg: prescribed readings) and tutorial presentations.

- **This online test carries a 60% weighting toward the final unit grade.**
- **Perusal time and online test duration will be 130 minutes in total.**
- **Open book conditions.**
- **It is recommended that you have a calculator available when sitting the online test.**

Once started, the online test cannot be paused or restarted. Only one attempt is permitted.

- The online test will automatically close and submit completed student answers once the allocated time has elapsed.
- The duration of this test is tailored to promote recall of fact, rather than research of answers unknown.

Students will be required to answer a variety of online questions.

Questions:

- May include multiple choice, short answer, essay style or image interpretation format.
- Will be drawn from a resource bank, to allow tests to be different for each student.
- Will require students to be familiar with both normal and pathological echocardiographic anatomical images.

Students are reminded that IT support from the university Information and Technology Division (TASAC) is only available during AEST business hours. It is recommended that the online test is completed during business hours.

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

The online test question pool in its entirety will not be released to students.

This assessment is to be undertaken as an individual. Colluding with other students on non-group work tasks is considered academic misconduct and may lead to action being taken by the Deputy Dean of Learning and Teaching HMAS.

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

Assessment Due Date

Online final test will open on Thursday 13th October at 8:00am (AEST) and close Friday 14th October 8:00pm (AEST).

Return Date to Students

Results and feedback will be made available within two (2) weeks of the assessment due date.

Weighting

60%

Minimum mark or grade

50%

Assessment Criteria

Question responses will be assessed according to the:

- Use of appropriate terminology and descriptors as well as grammar and spelling.
- Student's ability to appropriately interpret presented sonographic images and cardiac assessment data.
- Student's ability to succinctly respond with accurate answers.

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

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

The online test will be accessible through the assessment tab on Moodle at the assigned time.

Learning Outcomes Assessed

- Evaluate cardiac function (including chamber size, systolic and diastolic ventricular function and intracardiac pressures estimation) using echocardiographic derived assessment data and haemodynamic calculations
- Compare the aetiology, pathophysiology, diagnostic assessment process and patient management strategy for a variety of cardiovascular disease processes

Graduate Attributes

- Knowledge
- Communication
- Cognitive, technical and creative skills
- Research

4 Global Assessment of Professional Attributes (GAPA)

Assessment Type

Professional Practice Placement

Task Description

Students enrolled in the Graduate Diploma of Cardiac Ultrasound complete clinical placement and training within the professional workplace.

The purpose of this GAPA assessment is for the student to demonstrate key attributes considered fundamental for sonographer practice. 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 (including meeting technical expectations appropriate to experience).

Students commence each academic unit of enrolment having successfully demonstrated the professional attributes (including knowledge and practical skills) consistent with the competency level of the previous requisite unit. Students commence course enrolment as novices, before progressing to advanced beginner level of competency mid enrolment, finally achieving entry level sonographer competency in preparation for graduation at the completion of course offering.

There are two different parts to complete for this GAPA.

Part 4a: The Global Assessment of Professional Attributes (GAPA).

Part 4b: The Echocardiographic Practical Assessment.

Both of these marking rubrics can be downloaded from the unit Moodle site and must be completed in conjunction with each other. This assessment task must be completed by the student Clinical Supervisor or designate.

This practical assessment will:

- help the clinical supervisor evaluate the development of the student's ultrasound scanning abilities when undertaking a normal echocardiographic ultrasound examination;
- assist the clinical supervisor with completion of the GAPA evaluation;
- foster formative feedback and communication between the student, academic staff and the clinical supervisor.

At the time of the practical assessment and GAPA document completion, feedback should be discussed with the student. Both supervisor and student must sign the GAPA document verify conversation and reflection.

- The GAPA (and related practical) assessment are to be performed TWICE during unit enrolment - at the midpoint (week 6) and at the completion (week 12).

The mid placement week 6 GAPA is formative.

- At the midpoint GAPA, the student should be given sufficient feedback to improve their behavioural performance as required.
- It is expected that the student will continue to meet this midterm level of performance or surpass it in the end of term GAPA.
- Any significant issues should be brought to the attention of the unit coordinator following the midpoint GAPA (or earlier if required).

The end-of-term week 12 GAPA assessment is summative and is a PASS/FAIL assessment.

Assessment Due Date

Mid GAPA submission Due Wednesday 1st September 5:00pm (AEST). Final GAPA submission due Wednesday 19th October 5:00pm (AEST).

Return Date to Students

Results and feedback will be made available within two (2) weeks of the assessment due date.

Weighting

Pass/Fail

Assessment Criteria

For ECHO28002, students must achieve Advanced Beginner level of competence (Level 2). "Advanced Beginner" students have working knowledge of basic aspects of practice, and are regularly (but not consistently) applying theoretical concepts and past practical experience to their everyday work. Students perform simple tasks autonomously or under minimal supervision to an acceptable standard and are becoming aware of their own limitations and will seek expert advice where appropriate.

Students at an "Advanced Beginner" level:

- Regularly demonstrate listed GAPA behavioural attributes, but not consistently.
- Require indirect supervision for overall tasks, and direct supervision for more complex tasks.
- Practically, students typically require some direction when scanning (40%) of the time.

For each of the behavioural attributes listed on the GAPA rubric, the supervisor must score the student based on their day-in, day-out performance in the department.

- A score of 1 indicates that the student demonstrates this behaviour attribute but needs some improvement and frequent supervisor assistance - NOVICE level competency.
- **A score of 2 indicates that the student demonstrates this behaviour attribute but not consistently, and only requires supervisor assistance for more complex tasks - ADVANCED BEGINNER level of competency.**
- A score of 3 indicates that the student demonstrates this behaviour to a high standard consistently and can work unsupervised for most tasks- COMPETENT.

If the student's behaviour has significantly changed during the assessment period, supervisors are advised to score based on performance during the most recent two weeks. A space is provided for explanatory comments, identification of student areas of strength and areas for improvement.

To PASS this assessment task, the student must:

- achieve scores of 2 or higher against all attribute descriptors listed, with no scores of 1 on the **end-of-term GAPA assessment**;
- completed and uploaded both forms 4a the GAPA rubric and form 4b the Practical Marking tool.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Both the completed GAPA marking rubric and the related Practical Assessment tool must be uploaded through the assessment tab on Moodle as separate PDF documents. Each "PDF" document must be appropriately labelled with student name, student number and descriptor (Eg: JohnSMITH_S12345_GAPA MID TERM)

Learning Outcomes Assessed

- Demonstrate professional behaviour and communication skills consistent with cardiac sonography practice

Graduate Attributes

- Knowledge
- Communication
- Self-management
- Ethical and Professional Responsibility

5 Clinical Attendance Log Book

Assessment Type

Learning logs / diaries / Journal / log books

Task Description

Students must maintain access to suitable clinical experience for the duration of the course enrolment. In accordance with the Australasian Sonographer Accreditation Registry (ASAR) Program Accreditation Guidelines, it is recommended that students be engaged in cardiac ultrasound practice for a minimum of three days/week over a two-year period, full time equivalent, in an Australian or New Zealand clinical setting (minus standard leave privileges).

Clinical experience is the component of sonographer education that allows students to put theoretical knowledge into practice within the patient care environment. It includes, but is not limited to, the hospital setting, and may include general practice, remote and rural health clinics, and community care environments.

A clinical attendance log book submission can be requested at any point during course enrolment, at the discretion of the unit coordinator.

This assessment task requires the submission of a Clinical Attendance Log Book, detailing clinical attendance since course enrolment.

- All hours spent in attendance within the echocardiography laboratory (either observing, participating, or performing related activities) must be documented.
- These hours must be signed off on and approved by your ASAR registered clinical supervisor or appropriately qualified medical practitioner, verifying the accuracy of entries.

A student is required to complete a total of 2200 hours of clinical attendance prior to graduation and ASAR registration as a qualified sonographer.

- It is recommended that a student complete a minimum of 270 hours of clinical attendance per term of course enrolment.

A template for the Clinical Attendance Log Book is supplied in a word document format on the Moodle site. Students were supplied this same Clinical Attendance Log Book at the time of course enrolment. The word document is designed to facilitate easy electronic submission at various checkpoints throughout unit and course enrolment. The clinical supervisor's digital signature can be used to verify authenticity of entries on the word document. Alternatively, the word document can be printed, manually completed and scanned to a digital file format for submission.

Assessment Due Date

Exam Week Friday (21 Oct 2022) 8:00 pm AEST

Return Date to Students

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

Weighting

Pass/Fail

Assessment Criteria

To be awarded a **PASS**, all documentation must be completed and submitted by the corresponding due date and time. The Clinical Attendance Log Book will be reviewed to ensure that:

- hours of attendance have been documented appropriately,
- leave from clinical practice has been documented appropriately.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

The Clinical Attendance Log Book must be uploaded through the assessment tab on Moodle as a single 'PDF' document. The 'PDF' document must be appropriately labelled with student name, student number and descriptor (E.g. 'John SMITH_S12345_Clinical Attendance Log Book').

Learning Outcomes Assessed

- Engage in cardiac ultrasound practice as per external accreditation requirements (Australasian Sonographer Accreditation Registry).

Graduate Attributes

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

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