



ECHO12005 Echocardiography Clinical Course 1

Term 1 - 2017

Profile information current as at 13/12/2025 03:55 pm

All details in this unit profile for ECHO12005 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

Corrections

General Information

Overview

This clinical unit will provide opportunities to apply and integrate theoretical and practical knowledge in the clinical environment. The practical focus in this unit includes the completion of skills in cardiac assessment related to cardiac catheter lab monitoring. You will learn to analyse cardiac data and solve problems. 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 develop professional and technical skills in a work setting under qualified supervision.

Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Pre-requisite: ECHO12004 Cardiac Assessment Skills 1 AND ECHO12003 Principles of Cardiac Assessment AND BMSC12006 Cardiorespiratory Physiology and Coronary Care Management AND ECHO12002 Adult Echocardiography 1
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 - 2017

- Distance

Attendance Requirements

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

Website

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

Class and Assessment Overview

Recommended Student Time Commitment

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

Class Timetable

[Regional Campuses](#)

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

[Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

1. **Practical Assessment**

Weighting: Pass/Fail

2. **Practical Assessment**

Weighting: Pass/Fail

3. **Portfolio**

Weighting: Pass/Fail

4. **Off-campus Activity**

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 accurate assessment of straightforward diagnostic problems of the cardiovascular system utilising constructive feedback.
2. Display professional behaviour consistent with safe practice
3. Communicate the outcomes of cardiac assessment including consideration of quality assurance.

Linked to National and International Standards

1. ASAR Accreditation Standards for Cardiac Sonography - critical practice Unit 8 - Cardiac, Foundation units of competence - 1 - 5.
2. European Association of Cardiovascular Imaging Core Syllabus
3. American Registry for Cardiac Sonography Core Syllabus

Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes		
	1	2	3
1 - Practical Assessment - 0%	•		•
2 - Practical Assessment - 0%		•	•
3 - Portfolio - 0%	•		
4 - Off-campus Activity - 0%		•	

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes		
	1	2	3
1 - Communication	•	•	•
2 - Problem Solving	•	•	•
3 - Critical Thinking	•	•	•
4 - Information Literacy			•
5 - Team Work		•	
6 - Information Technology Competence	•	•	•
7 - Cross Cultural Competence		•	•

Graduate Attributes	Learning Outcomes		
	1	2	3
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 - Practical Assessment - 0%	•	•	•		•		•	•		
3 - Portfolio - 0%	•		•			•				
4 - Off-campus Activity - 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: [American Psychological Association 6th Edition \(APA 6th edition\)](#)

For further information, see the Assessment Tasks.

Teaching Contacts

Anita Bowman Unit Coordinator
a.bowman@cqu.edu.au

Schedule

Week 1 - 06 Mar 2017

Module/Topic	Chapter	Events and Submissions/Topic
Week 2 - 13 Mar 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 3 - 20 Mar 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 4 - 27 Mar 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 5 - 03 Apr 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Vacation Week - 10 Apr 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 6 - 17 Apr 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 7 - 24 Apr 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 8 - 01 May 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 9 - 08 May 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 10 - 15 May 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 11 - 22 May 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 12 - 29 May 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Review/Exam Week - 05 Jun 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Exam Week - 12 Jun 2017		
Module/Topic	Chapter	Events and Submissions/Topic Practical Assessment 1 - ECG Due: Exam Week Friday (16 June 2017) 6:00 pm AEST Practical Assessment - Professional Behaviour Due: Exam Week Friday (16 June 2017) 5:00 pm AEST Clinical Log Book Due: Exam Week Friday (16 June 2017) 6:00 pm AEST

Term Specific Information

The unit coordinator for this unit is Sharon Kay. I can be contacted on: email at s.kay@cqu.edu.au or Ph: 02 9324 5051
The clinical placement team are an integral part of the staffing of this unit.

The clinical placement team contact details are on the unit Moodle site.

You will evaluate findings to formulate a differential diagnosis and suggest further investigation where appropriate. You will engage with your clinical supervisor in a critical appraisal of your professional behaviour and you will apply appropriate professional and interpersonal skills to clinical practice in accordance with Central Queensland University graduate attributes and requirements for external professional accreditation by Australian Sonographers Accreditation Registry.

There are no specified texts for this unit. However you are expected to revise previous unit content related to ECG, Catheter Lab, Holter and EST. Clinical supervisors often assign 'homework' such as researching a clinical case seen that day - so be prepared with appropriate texts for support. You are expected to consult texts regularly to enhance your knowledge and understanding during this clinical unit.

This unit requires you to attend a five (5)-week clinical placement, to a minimum of 200 hours. You will have been allocated a specific clinical facility (or facilities) to attend for the 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. Please note that there may be 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'. Please advise the unit coordinator if you need to extend your placement end date in order to complete unit requirements. Any students who have negotiated to extend placement dates will be eligible to apply for assessment extensions by email to the unit coordinator. If you are experiencing difficulty meeting unit assessment requirements please contact the unit coordinator. You will require regular internet access, word processing and document scanning technology in order to complete assessment requirements. Most clinical sites do not provide computer or internet access so it is your responsibility to provide your own.

Please note this important information from the University Assessment of Coursework Procedures. 3.2.6

This is a non-graded (pass/fail) course. 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. A student who fails any assessment in a pass/fail course or a pass/fail component of a graded course will be deemed to have failed that course.

Assessment Tasks

1 Practical Assessment 1 - ECG

Assessment Type

Practical Assessment

Task Description

This assessment task measures your ability to complete a 12 lead ECG - performance and analysis. "advanced beginner"
This assessment task will be assessed by your clinical supervisor / or CQU facilitator at your clinical placement site. You will demonstrate your ability to carry out all tasks of the examination without intervention, guidance or correction by the assessor. The assessment must be attempted prior to completion of the clinical placement block. You will be permitted **two** attempts to complete the assessment task. Further details and the assessment form are available in Moodle.

Assessment Due Date

Exam Week Friday (16 June 2017) 6:00 pm AEST

The completed practical assessment form must be uploaded by online submission through the unit Moodle site. It is recommended that you submit as soon as you have completed your 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

Performance assessments will be collated by the course coordinator. Feedback will be provided to you by your clinical supervisor following completion of the assessment.

Weighting

Pass/Fail

Minimum mark or grade

This is a pass/fail assessment item. You must achieve a level of 'advanced beginner' to pass this assessment.

Assessment Criteria

The Assessment Criteria will address the following areas your performance:

- Patient care and communication
- Correct set up and lead placement
- Knowledge of instrumentation including artefacts and baseline through appropriate selection of parameters and technique
- Interrogation and acquisition of relevant information to demonstrate diagnostic sufficiency and completeness of information obtained
- Recognition and understanding of the relevant anatomy and pathology if demonstrated
- Ability to recognise the need to and extend the clinical examination where appropriate
- Accurate documentation and communication of findings
- Occupational health and safety including ergonomics

You must achieve a level of "advanced beginner" on the proficiency scoring criterion for this ECG test . Performance in this task will be assessed on a score of 1-5. You must attain a **minimum** of fifteen scores of 3 or above, and **no** scores below 2. This will be assessed by your clinical supervisor, or a CQU facilitator delegated this task by your supervisor, using the standardised form provided. Detailed Assessment Criteria will be available on this course Moodle site.

Referencing Style

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

Submission

Online

Submission Instructions

Submission of form

Learning Outcomes Assessed

- Perform accurate assessment of straightforward diagnostic problems of the cardiovascular system utilising constructive feedback.
- Communicate the outcomes of cardiac assessment including consideration of quality assurance.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Technology Competence

2 Practical Assessment - Professional Behaviour

Assessment Type

Practical Assessment

Task Description

This assessment is an evaluation of your overall aptitude and performance during your clinical placement. The Professional Behaviour evaluation assesses behaviour exhibited by you throughout the clinical placement, as demonstrated on a day-to-day basis. The Professional Behaviour Evaluation will be completed by your clinical site supervisor during the last week of your clinical placement.

Assessment Due Date

Exam Week Friday (16 June 2017) 5:00 pm AEST

The assessment form is due by the end of placement hours are complete.

Return Date to Students

Performance assessments will be collated by the course coordinator. Feedback will provided to you by your clinical supervisor following completion of the assessment.

Weighting

Pass/Fail

Assessment Criteria

You must achieve an overall level of satisfaction to pass this assessment. You will be scored from 1-4 using the levels of proficiency criterion on the evaluation form. You must attain an average score of at least 3, with no scores below 2. The Professional Behaviour Evaluation assesses the student's day-to-day performance in the following:

- Communication
- Team work
- Professional attitude
- Professional appearance
- Time management and organisational skills
- Adherence to course/program/University/Clinical site policies and procedures
- Dependability and accountability.

Referencing Style

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

Submission

Online

Submission Instructions

Submission of form

Learning Outcomes Assessed

- Display professional behaviour consistent with safe practice
- Communicate the outcomes of cardiac assessment including consideration of quality assurance.

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Team Work
- Cross Cultural Competence
- Ethical practice

3 Clinical Log Book

Assessment Type

Portfolio

Task Description

The clinical logbook serves as a record of your depth and breadth of experience attained during the placement. It will be invaluable when applying for employment in the future. 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 course outcomes.

Each case will be categorised into one of the following areas:

ECG / 24 hour Halter Monitor / EST / Cardiac angiogram / Tilt-table testing / 24 hour BP monitors

Each week of the logbook must be signed by your clinical site supervisor or a delegated Cardiac Physiologists by the clinical supervisor. The clinical case logbook is available in Moodle portal for completion and for further information on how to complete the logbook and minimum examination numbers required. Copies have been emailed to your clinical site.

Please print these forms/information sheets and read them carefully so you understand the criteria against which your logbook will be evaluated.

Optional

You can submit 'outside clinical placement' log books if you undertake employment in an a department. Click on this link for the outside clinical placement logbook. This form is available in the assessment block in the unit Moodle site. Please note:

The logbook must be verified (signed) by an ASAR accredited sonographer, Cardiac Physiologist or Cardiologist.

Details of your employment must be entered onto the outside clinical placement logbook for insurance purposes.

Assessment Due Date

Exam Week Friday (16 June 2017) 6:00 pm AEST

A complete, accurate and up-to-date Clinical Case Log must be submitted to the course coordinator by 10 am Friday after the end of your placement.. To be uploaded through online submission in Moodle. It is recommended that you submit as soon as you have completed your placement. Any students whose clinical placement dates have been negotiated to extend beyond this due date will be eligible to apply for an extension.

Return Date to Students

Logbooks will be collated by the course coordinator.

Weighting

Pass/Fail

Assessment Criteria

You will pass this assessment if you achieve the following minimum numbers in your clinical case log by the conclusion of this clinical placement:

There must be a minimum of

100 complete ECG including analysis.

And / OR

50 observed or partial EST

And / OR

25 observed or partial Cardiac angiograms

And / or

50 partial or complete 24hr Holter monitor tests

The assessment criteria will address the following areas of your performance in one of six domains of practice:

Occupational health and safety including ergonomics.

Accurate documentation and communication of findings.

Ability to recognise the need to and extend the clinical examination where appropriate.

Recognition and understanding of the relevant anatomy and pathology demonstrated.

Interrogation of anatomy and acquisition of relevant images to demonstrate diagnostic sufficiency and completeness of information contained.

Knowledge of instrumentation including optimisation of survey and images through appropriate selection of parameters and technique.

Pre-test, test and post-test preparation and tasks.

Patient care and communication.

The required levels of competency are:

12 lead ECG to "advanced beginner".

and any one or more of below:

EST to "beginner"

24 hour Holter monitor "beginner"

Cardiac angiogram to "novice level"

Referencing Style

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

Submission

Online

Learning Outcomes Assessed

- Perform accurate assessment of straightforward diagnostic problems of the cardiovascular system utilising constructive feedback.

Graduate Attributes

- Communication
- Critical Thinking
- Information Technology Competence

4 Placement 1

Assessment Type

Off-campus Activity

Task Description

It is expected that you attend 100% of the time during your clinical placement.

Any time you are away from your clinical institution, 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.

You are not permitted to work extra shifts back to back to acquire a shorter duration of clinical placement. You are required to attend on your final day of clinical placement.

Assessment Due Date

Upload of weekly attendance is required with the weekly log book, within 3 days of completing the weekly shift

Return Date to Students

Weekly attendance will be recorded and submitted with the weekly log book.

Weighting

Pass/Fail

Minimum mark or grade

pass/fail

Assessment Criteria

You must obtain a requirements met grade in this element of clinical placement. Any days away from your clinical site must be documented.

A pass grade in this element will require attendance of 100% of this placement, excluding public holidays and site specific closures.

Referencing Style

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

Submission

Online

Submission Instructions

Attendance to be marked as a part of your weekly log book and submitted weekly with the log book

Learning Outcomes Assessed

- Display professional behaviour consistent with safe practice

Graduate Attributes

- Communication
- Information Technology 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