



# ECHO12003 Principles of Cardiac Assessment

## Term 2 - 2019

Profile information current as at 24/04/2024 10:20 am

All details in this unit profile for ECHO12003 have been officially approved by CQUUniversity 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

An understanding of the concepts of invasive and non-invasive diagnostic cardiovascular procedures is necessary in the field of echocardiography. In this unit you will be introduced to colour and spectral Doppler echocardiographic assessment techniques, along with common cardiac catheterisation procedures. You will apply your knowledge to a variety of cardiovascular pathologies and case studies, evaluating cardiac anatomy, performance and pressures. You will formulate differential diagnoses and consider patient management strategies within an ethical framework of best practice and patient safety. You will perform the standard echocardiographic protocol, with colour and spectral Doppler, in the simulated lab environment demonstrating professional behaviour and reflective practice. Attendance is required at practical activities.

### 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: ECHO12006 Cardiac Science ANDMEDS12001 Physics of Ultrasound

Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the [Assessment Policy and Procedure \(Higher Education Coursework\)](#).

### Offerings For Term 2 - 2019

- Brisbane
- Perth
- Sydney

### 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. **Online Test**

Weighting: 40%

#### 2. **Practical Assessment**

Weighting: Pass/Fail

#### 3. **Performance**

Weighting: Pass/Fail

#### 4. **Reflective Practice Assignment**

Weighting: Pass/Fail

#### 5. **Examination**

Weighting: 60%

### 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 Course evaluations

**Feedback**

Scanning and QLab laboratory sessions were well organized.

**Recommendation**

Sessions within the labs were developed to compliment and reinforce theoretical delivery. This format will be continued in 2019, along with the addition of routine blood pressure and ECG performance to hone practical skills necessary for clinical placement.

#### Feedback from Course evaluations, emails

**Feedback**

Content was well supported with revision material.

**Recommendation**

Weekly revision material was provided to support examination preparation. This included multiple choice and short answer questions. The online test was also 'unpacked' with a brief presentation to ensure students were familiar with quiz software and format prior to attempting. This practice will be continued in 2019.

#### Feedback from Course evaluations, emails

**Feedback**

Delayed feedback combined with a limited time between 'practical assessment and resit opportunity' caused student anxiety.

**Recommendation**

Calendar constraints and delivery timetabling alongside other co-requisite units restrict the time frame between practical assessment and resit opportunities. Alternative schedules and online moderation options will be explored for 2019.

## Unit Learning Outcomes

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

1. Contrast the aetiology, pathophysiology, diagnostic assessment process and patient management strategy for a variety of cardiovascular disease processes
2. Perform, analyse and contrast haemodynamic calculations on cardiac assessment data to formulate differential diagnoses
3. Perform the standard echocardiographic protocol with colour and spectral Doppler
4. Display professional behaviour, teamwork and communication skills consistent with safe practice
5. Apply constructive feedback to professional practice improvement.

Linked to National and International Standards

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

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes				
	1	2	3	4	5
1 - Online Test - 40%	•	•			
2 - Practical Assessment - 0%			•		
3 - Performance - 0%				•	
4 - Reflective Practice Assignment - 0%					•
5 - Examination - 60%	•	•			

### Alignment of Graduate Attributes to Learning Outcomes

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

### Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Online Test - 40%	•	•	•	•						
2 - Practical Assessment - 0%	•	•	•			•	•	•		
3 - Performance - 0%	•	•	•		•		•	•		
4 - Reflective Practice Assignment - 0%	•	•	•	•						

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
<b>5 - Examination - 60%</b>	•	•	•	•						

## Textbooks and Resources

### Textbooks

ECHO12003

#### Prescribed

##### **A Sonographer's Guide to the Assessment of Heart Disease**

Edition: First (2016)

Authors: Bonita Anderson

Echotext

Brisbane , Queensland , Australia

ISBN: 978-0-9923222-0-5

Binding: Hardcover

ECHO12003

#### Prescribed

##### **Echocardiography: The Normal Examination and Echocardiographic Measurements**

Edition: Third (2017)

Authors: Bonita Anderson

EchoText

Brisbane , Queensland , Australia

ISBN: 978-0-9923222-1-2

Binding: Hardcover

#### Additional Textbook Information

Prescribed textbooks are used across multiple units within the CV69 echocardiography course.

[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

**Paula Boucaut** Unit Coordinator

[p.boucaut@cqu.edu.au](mailto:p.boucaut@cqu.edu.au)

## Schedule

**Week 1 - Colour Doppler - 15 Jul 2019**

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to colour Doppler optimisation and application.	Anderson, B. Echocardiography / The Normal Examination and Echocardiographic Measurements Chapter 7; p 129-137 Chapter 8; p 139-148	Compulsory scanning lab.

### Week 2 - Spectral Doppler - 22 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to spectral Doppler including a discussion of optimisation, normal Doppler waveforms and measurements.	Anderson, B. Echocardiography / The Normal Examination and Echocardiographic Measurements Chapter 5; p 83-103 Chapter 6; p 105-128	<b>Clinical Preparation Day</b> - Monday 22nd July Compulsory scanning lab.

### Week 3 - Artefacts and the Fick Method of CO Calculation - 29 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
Artefacts in spectral and colour flow Doppler. Calculation of CO using the FICK method in the cardiac catheterisation laboratory.	Anderson, B. Echocardiography / The Normal Examination and Echocardiographic Measurements Chapter 5; p 100-102 Chapter 7; p 135-137	Compulsory scanning lab.

### Week 4 - Doppler Haemodynamics - 05 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Doppler haemodynamics, including a discussion of blood flow and stroke volume calculation, the continuity principle and the Bernoulli equation.	Anderson, B. Echocardiography / The Normal Examination and Echocardiographic Measurements Chapter 11; p 203-231	Compulsory scanning lab.

### Week 5 - Right Ventricular Haemodynamics - 12 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
Assessment of right heart pressures and pulmonary vascular resistance.	Anderson, B. Echocardiography / The Normal Examination and Echocardiographic Measurements Chapter 11; p 218-227	

### Vacation Week - 19 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic

### Week 6 - Pulmonary Hypertension - 26 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
Findings in pulmonary hypertension.	Anderson, B. Echocardiography / The Normal Examination and Echocardiographic Measurements Chapter 11; p 204t, 80f, 187t, 199-200 199f, 220f Anderson, B. Echocardiography / A Sonographer's Guide to the Assessment of Heart Disease Chapter 4; p 96-111	Compulsory scanning lab.

### Week 7 - Systemic Hypertension - 02 Sep 2019

Module/Topic	Chapter	Events and Submissions/Topic
Findings in systemic hypertension.	Anderson, B. Echocardiography / A Sonographer's Guide to the Assessment of Heart Disease Chapter 4; p 87-95	Compulsory scanning lab.

### Week 8 - Physiology of Diastole - 09 Sep 2019

Module/Topic	Chapter	Events and Submissions/Topic

Physiology of diastole.

Anderson, B. Echocardiography / The Normal Examination and Echocardiographic Measurements Chapter 15, p 295-316  
 Anderson, B. A Sonographer's Guide to the Assessment of Heart Disease. Chapter 3, p 57-85  
 Chapter 4, p 87-112  
 ASE Guidelines 2016 - Recommendations for the Evaluation of Left Ventricular Diastolic Function by Echocardiography

**Week 9 - Assessment of Diastolic Dysfunction - 16 Sep 2019**

Module/Topic	Chapter	Events and Submissions/Topic
Echo assessment of diastolic dysfunction and application of the ASE algorithms.	Anderson, B. Echocardiography / The Normal Examination and Echocardiographic Measurements Chapter 15, p 295-316 Anderson, B. A Sonographer's Guide to the Assessment of Heart Disease. Chapter 3, p 57-85 Chapter 4, p 87-112 ASE Guidelines 2016 - Recommendations for the Evaluation of Left Ventricular Diastolic Function by Echocardiography	The <b>online test</b> will be open from 8.00am Thursday 19th of September. <b>MOCK QLAB and Practical assessment.</b>  <b>Online Test</b> Due: Week 9 Friday (20 Sept 2019) 5:00 pm AEST

**Week 10 - Diastolic Function Assessment in Special Populations - 23 Sep 2019**

Module/Topic	Chapter	Events and Submissions/Topic
Diastolic function assessment in special populations.	Anderson, B. Echocardiography / The Normal Examination and Echocardiographic Measurements Chapter 15, p 295-316 Anderson, B. A Sonographer's Guide to the Assessment of Heart Disease. Chapter 3, p 57-85 Chapter 4, p 87-112 ASE Guidelines 2016 - Recommendations for the Evaluation of Left Ventricular Diastolic Function by Echocardiography	

**Week 11 - Clinical Case Studies - 30 Sep 2019**

Module/Topic	Chapter	Events and Submissions/Topic
Discussion of clinical cases to provide contextualisation of theory and practical assessment skills delivered within this unit.		<b>Echocardiogram practical skills (2D, colour and spectral Doppler) and QLAB measurement assessment.</b>

**Week 12 - Revision - 07 Oct 2019**

Module/Topic	Chapter	Events and Submissions/Topic
Revision.		<b>RESIT QLAB and Practical assessments.</b>  <b>Professional Behaviour Assessment</b> Due: Week 12 Friday (11 Oct 2019) 4:00 pm AEST <b>Reflective Practice Assessment</b> Due: Week 12 Friday (11 Oct 2019) 4:00 pm AEST

**Review/Exam Week - 14 Oct 2019**

Module/Topic	Chapter	Events and Submissions/Topic

The OFFICIAL Examination Timetable for **Standard Exams** is usually available during week six of term.

## Exam Week - 21 Oct 2019

Module/Topic	Chapter	Events and Submissions/Topic
		To access your personal examination schedule: 1. Sign into MyCentre at <a href="http://mycentre.cqu.edu.au">http://mycentre.cqu.edu.au</a> 2. Select 'My Exam Timetable' 3. You will then arrive at your personalised exam timetable If any further information is required or you need assistance, please do not hesitate to contact Timetabling Enquiry on 13 27 86.

## Term Specific Information

My name is Paula Boucaut and I will be the unit coordinator of ECHO12003 Principles of Cardiac Assessment. This unit introduces you to the echocardiographic application and interpretation of colour and spectral Doppler. Some cardiac catheterisation lectures will also be provided, comparing and contrasting assessment data between the different modalities.

Multiple lecturers will contribute to this unit, and some external video links will be provided. Embrace the variety offered. All students learn differently, and hopefully there is something for everyone by way of a 'preferred format' of delivery. Take care not to 'rope learn solely for the purpose of passing an examination' - but rather explore topic detail until it is well understood. Be an active learner. To give yourself the best chance of success with the unit, please ensure that you undertake all the additional readings and activities that are provided to you.

Each week live tutorial sessions will be hosted by a lecturer. The weekly tutorial schedule and Zoom ID link can be found on Moodle site. All tutorials will be recorded and subsequently posted under the corresponding week on Moodle. The tutorials will focus on clarification of course concepts and/or assessment requirements and clinical case studies which will link the course content with clinical practice.

Skills labs for this course are mandatory. During weekly labs, you will learn to apply the theoretical knowledge learnt in a practical setting. Labs missed for a valid reason require supporting documentation. Any lab missed without valid reason or supporting documentation will warrant a 'lapse in professionalism'. Please pay close attention to the lab schedule for this unit. The routine lab schedule may vary some weeks, to accommodate the delivery of co-requisite units. The campus specific weekly lab schedules can be found on the Moodle site. Attendance at the 'Clinical Preparation Day' is a compulsory component of the laboratory schedule associated with this unit.

Students are required to adhere to the Course Dress Code when using the ultrasound simulation labs and a zero-tolerance policy will be followed - both of these aspects are covered by the Professional Behaviour Assessment and failure to comply will result in 'lapse in professionalism'.

Our laboratory sessions are designed to mimic a real workplace. In a real workplace, it is imperative that colleagues and patients who are depending on you are aware of whether you are attending your shift or not. Hence, you must notify staff and the unit coordinator before the start of compulsory labs if you are not able to attend. With the exception of extraordinary circumstances, failure to notify staff before the start of a missed lab (via email or phone) will result in a LiP allocation. Labs missed for a valid reason require supporting documentation. Medical or health-related certificates must be in the approved formats articulated in the CQUniversity Assessment Policy and Procedure (HE Coursework) policy. Only formal practical skills assessments can be postponed to another day.

Staff may deny students access to a laboratory sessions if illness or injury could harm or negatively impact either yourself or those around you (e.g. put you at risk of exacerbating an injury, or pass on viral or bacterial infections to other students and staff).

All students must ensure availability to attend campus during week 11 and 12 for practical examinations and re-sits. This is a compulsory requirement. You may be requested to act as a patient model for your peers. The Unit coordinator is responsible for student allocation of patient models for peer assessments. Students are not consulted in this process. Please feel free to use the 'General Discussion' forum as a social space to communicate with other students in this course. Please ensure that your conduct in this forum is consistent with that outlined in the Student Charter. Teaching staff will monitor posts on the 'Q&A' forum. The Q&A forum is a great place to post questions relevant to your study or laboratory sessions. Responses from staff will be made available to all students. Don't be shy in asking questions, as you will often find that other students also share your query. Alternatively, if you have a personal question, please do not hesitate to contact me directly by email: [p.boucaut@cqu.edu.au](mailto:p.boucaut@cqu.edu.au) or phone 07 3023 4108.

## Assessment Tasks

### 1 Online Test

#### Assessment Type

Online Test

#### Task Description

This online test will assess your understanding of the content presented within this unit up to and including week 7. Questions may be drawn from lectures, additional resources provided or tutorial presentations.

This test can be accessed through the assessment tab on Moodle at the assigned time.

- The online test will be marked out of 60 marks.
- Questions may be multiple choice, short answer, image interpretation or essay style format.
- The online test will be open for 70 minutes.

You are permitted ONE attempt to complete the online test, and once started, the test cannot be paused or restarted. As the test is online and open book, you will find it useful if you have produced your own notes from the lectures and that you are familiar with the unit information. Questions will be drawn from a resource bank, to allow tests to be different for each student. You may benefit from having a calculator available when sitting the test.

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

This assessment result is summative toward the final unit grade.

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

#### Assessment Due Date

Week 9 Friday (20 Sept 2019) 5:00 pm AEST

The online test will be open from 8.00am Thursday 19th of September to 5.00pm Friday 20th of September during week 9 (AEST).

#### Return Date to Students

Results will be made available once submissions have been marked and moderated.

#### Weighting

40%

#### Assessment Criteria

You will be required to answer a variety of online questions. These questions may be short answer or essay style, multiple choice or film viewing questions.

Film viewing questions will require you to be familiar with both normal and pathological echocardiographic and anatomical images.

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

#### Referencing Style

- [Vancouver](#)

#### Submission

Online

#### Submission Instructions

The Online test is accessed via the assessment tab in Moodle. Once the test is commenced, it cannot be paused, stopped or re-started and once you have completed the test, it cannot be retaken. The online test will be open from 8.00am Thursday 19th of September to 5.00pm Friday 20th of September during week 9 (AEST). Please note: You must commence the test before Friday 3.50pm as the test will automatically close at 5.00pm on Friday. If you have not completed the test by this time, your test may be submitted with no answers. It is your responsibility to ensure you have the test well and truly completed before 5.00pm on Friday 20th of September 2019.

#### Learning Outcomes Assessed

- Contrast the aetiology, pathophysiology, diagnostic assessment process and patient management strategy for a variety of cardiovascular disease processes
- Perform, analyse and contrast haemodynamic calculations on cardiac assessment data to formulate differential diagnoses

### **Graduate Attributes**

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy

## **2 2D, Colour and Spectral Doppler Practical Skills Assessment (including QLAB)**

### **Assessment Type**

Practical Assessment

### **Task Description**

This assessment requires you to perform a complete Echocardiogram practical skills test (2D, colour and spectral Doppler) and QLab measurement assessment.

Professional and technical scanning requirements are discussed in the unit lab manual, lab sessions, lectures and tutorials. This is a PASS/FAIL assessment. Components are as follows.

Echocardiogram practical skills test

(1) Professional (pre-scan, during and post-scan) requirement:

- Apply correct patient care techniques and effective communication to obtain relevant patient history, informed consent, and to direct 'patients' accordingly.
- Apply professionalism in dealing with equipment and the scanning setting.

(2) Technical (scanning and measurement) requirements for an echocardiographic study:

- Demonstrate appropriate echocardiographic scanning technique, image optimisation, and acquisition, in a reasonable time period to an 'advanced beginner level' of competency. A scanning time limit of 1 hour will be applied to image acquisition.
- Students will be practically assessed using the 'Assessment of Readiness for Clinical' (ARC) tool for 2D, colour and spectral Doppler practical skills assessment, and students are advised to carefully review this document.
- Perform a series of offline measurements using the QLAB workstations. A 30 min time limit will be applied to measurement acquisition.
- Students will be assessed using the 'Assessment of Readiness for Clinical' (ARC) tool for QLAB measurements, and students are advised to carefully review this document.

To pass this assessment, all components of the Echocardiogram practical skills test (1) and (2) must be graded as a 'pass'. These components are graded separately, so that if one is passed and another is not, only the failed component must be repeated to pass. If you fail only the professional component, you may be requested to complete the full practical scanning assessment, but you will only be marked on the professional component.

### **Assessment Due Date**

Practical and Qlab assessment will take place during week 11 of term 2, 2019. Should a student fail, there is only ONE opportunity to re-sit either component of the assessment item.

### **Return Date to Students**

Moderation of assessment marks needs to take place prior to students being advised practical assessment results. Students will be advised as soon as possible of their practical assessment results. Resit assessment which will be held on Friday 11th October 2019 during Week 12.

### **Weighting**

Pass/Fail

### **Minimum mark or grade**

Beginner level competency - minimum 65% mark is required to obtain a PASS for these assessment components. This assessment does not carry a weighting toward the final unit grade.

### **Assessment Criteria**

To pass this assessment, ALL components of the Echocardiogram practical skills test (1) and (2) must be graded as a 'pass'.

The assessment components are all graded separately, so that if one is passed and another is not, only the failed

component must be repeated to pass.

If you fail only the professional component, you may be requested to complete the full practical scanning assessment, but you will only be marked on the professional component.

Students will be practically assessed using the:

- Assessment of Readiness for Clinical (ARC) tool for 2D, colour and spectral Doppler practical skills assessment
- Assessment of Readiness for Clinical (ARC) tool for QLAB measurements

Students are advised to carefully review these documents which are available on the unit Moodle site.

#### **Re-evaluation options:**

In the event that you do not achieve a minimum 65% or higher (or fail one of the bolded items in the professional component of the ARC tool), you will be given ONE opportunity to re-sit the technical and/or professional components or QLab assessment (whichever is applicable) in week 12.

Please be aware that the Echocardiogram practical skills tests will be video recorded for moderation purposes. The videos will not be released to students for review.

ALL STUDENTS ARE REQUIRED TO MAKE THEMSELVES AVAILABLE TO ACT AS A PATIENT MODEL FOR PEER ASSESSMENT IF REQUESTED BY UNIT COORDINATOR. THIS INCLUDES THE RESIT ASSESSMENT.

#### **Referencing Style**

- [Vancouver](#)

#### **Submission**

Offline

#### **Learning Outcomes Assessed**

- Perform the standard echocardiographic protocol with colour and spectral Doppler

#### **Graduate Attributes**

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

## **3 Professional Behaviour Assessment**

#### **Assessment Type**

Performance

#### **Task Description**

Professional behaviour is a critical part of any medical imaging profession, and encompasses the manner in which we treat our colleagues, patients, and the professional settings and equipment provided to us.

The purpose of this assessment is to ensure that students from the echocardiography course are well-equipped to embody the high standards of professionalism that are expected from CQUniversity students while on their upcoming clinical placements. This assessment will require you to treat each of your lab sessions as a scheduled "work shift" and to exhibit high quality professional attributes to ensure you are prepared to enter the work force with the skills required to provide safe patient care and professional behaviour. As such, this assessment is based on continuous and ongoing assessment of student application and attendance during labs.

Note: this extends to all behaviour exhibited by you during your time studying this unit, up until the end of exam week.

This includes participation in forums and online tutorials, labs, social media etiquette, phone calls, attitude towards peers and staff, and all official correspondence with university staff, peers, and community.

This assessment will require you to complete the following documentation, which forms part of your ECHO12003 Lab Manual. All forms are available under the Lab Documentation tab on the unit Moodle page.

This includes:

- A signed Lab Agreement form to be uploaded in Week 1
- A signed Consent Form - Sonographic Examination for Teaching Purposes to be uploaded in Week 1
- A completed and signed Professional Behaviour Assessment Rubric Form to be uploaded in Week 12
- A completed Lab Attendance Page to be scanned and uploaded in Week 12

This is a PASS/FAIL assessment. This assessment is marked using the Professional Behaviour Assessment (PBA) rubric and incorporates LiPs (lapses in professionalism) - to pass this unit, you need to get 12/15 for your PBA and can receive a maximum of three LiPs across all descriptors. i.e. if a fourth LiP is issued, the maximum mark would be 11/15 and the assessment will be graded as a fail. As this is a pass/fail unit, all assessment items must be graded as a pass to pass the

unit.

All interactions with staff and peers pertaining to this unit will be treated as a replica of the clinical work environment. You will be expected to demonstrate all of the professional behaviour that will be expected of you in a formal work environment.

LiPs can be issued in three different categories:

1. Professional behaviour towards colleagues and staff,
2. Professional behaviour towards patients, and
3. Professional behaviour towards professional settings and equipment.

An additional explanatory document is available on the Moodle site regarding 'Expected Professional Behaviour and LiP allocation'. Students are encouraged to review this information to ensure that you are aware of behavioural expectations.

You will be required to fill out a Formative Feedback Form for each of your labs, but not for the dates of your practical skills tests as outlined in the lab manual. Please note: Not routinely bringing Formative Feedback Forms to your lab for reflective feedback documentation and tutor signature; will warrant a LiP allocation.

It is very important that you familiarise yourself with the CODE OF CONDUCT in the Lab Manual as well as the ASA CODE OF CONDUCT and the CQU CODE OF CONDUCT. All of these documents are posted on the unit Moodle site for your information.

If unprofessional attitude or behaviour is reported by fellow classmates and not witnessed by a staff member, a written warning detailing the allegations will be issued to the student, and the student's response documented. If further evidence of an on-going unprofessional behaviour surfaces, then a LiP may be issued. Any lack of professionalism displayed in the use of the Google Doc unmanned practice booking system, where the unit coordinator is able to access details of when practises are booked or changed will result in an automatic LiP.

Up to THREE LiPs can be issued before the assessment is graded as a FAIL. However, if any exhibited attitude or behaviour is deemed as unsafe or inappropriate for clinical practice, the professional behaviour assessment will be graded as a FAIL at the discretion of the unit coordinator.

Note: Exemplary professional behaviour is highly valued by clinical supervisors. This information may be used to endorse students for placements if requested by clinical sites.

### **Assessment Due Date**

Week 12 Friday (11 Oct 2019) 4:00 pm AEST

### **Return Date to Students**

Results will be made available once submissions have been moderated.

### **Weighting**

Pass/Fail

### **Assessment Criteria**

You must upload all of the required documentation for this assessment by the due date and time to obtain a 'PASS'.

If you are absent for a lab, please indicate the reason for this yourself on your formative feedback form and attendance record - a tutor's signature is not required.

### **Referencing Style**

- [Vancouver](#)

### **Submission**

Online

### **Submission Instructions**

ALL scanned documents must be labelled with student details and document descriptor. (Example identification: John SMITH S12345 BNE Lab Agreement Form Week 1) Requested forms must be individually submitted as separate PDF documents.

### **Learning Outcomes Assessed**

- Display professional behaviour, teamwork and communication skills consistent with safe practice

### **Graduate Attributes**

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

## 4 Reflective Practice Assessment

### Assessment Type

Reflective Practice Assignment

### Task Description

The purpose of this assessment is to develop self-reflection skills by setting weekly goals and following up on progress. This assessment will require you to complete **6 x Formative Feedback Forms** and **1 x Mock Skills Feedback form**; to be uploaded in Week 12.

This is a PASS/FAIL assessment.

- Formative Feedback Forms must be completed BEFORE leaving at the end of each lab (as you would be required to complete documentation for each patient's scan before the end of a clinical shift).
- Formative feedback forms must be signed off by your instructor.
- You must upload all of the required documentation for this assessment by the due date and time to obtain a 'PASS'. If you are absent for a lab, please indicate the reason for this yourself on your formative feedback form - a tutor's signature is not required.
- Please note details on the Professional Behaviour Assessment Rubric form which further outline the appropriate procedure for lab absences.

### Assessment Due Date

Week 12 Friday (11 Oct 2019) 4:00 pm AEST

Online submission via Moodle

### Return Date to Students

Results will be published after submissions have been moderated.

### Weighting

Pass/Fail

### Assessment Criteria

To obtain a 'PASS', all documentation must be completed correctly and submitted on or before the corresponding due date and time.

### Referencing Style

- [Vancouver](#)

### Submission

Online

### Submission Instructions

ALL scanned documents must be labelled with student details and document descriptor. (Example identification: John SMITH S12345 BNE Formative Feedback Form Week 1) Requested forms must be individually submitted as separate PDF documents.

### Learning Outcomes Assessed

- Apply constructive feedback to professional practice improvement.

### Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy

## Examination

### Outline

Complete an invigilated examination.

### Date

During the examination period at a CQUniversity examination centre.

### Weighting

60%

### Length

180 minutes

**Minimum mark or grade**

50%

**Exam Conditions**

Closed Book.

**Materials**

Dictionary - non-electronic, concise, direct translation only (dictionary must not contain any notes or comments).  
Calculator - non-programmable, no text retrieval, silent only

## 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