



ECHO13006 Adult Echocardiography

Term 1 - 2018

Profile information current as at 20/05/2024 02:03 am

All details in this unit profile for ECHO13006 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

Accurate analysis and assessment of complex cardiovascular disease and their pathological processes is a core part of all echocardiographic examinations. In preparation for clinical placement you will attain the knowledge and skills needed to analyse complex cardiovascular disease. This will include consideration of the echocardiographic generated images and assessment measures, haemodynamic calculations, pressures and valve prosthetics. You will apply knowledge to practical echocardiographic tasks in the laboratory setting, and utilise simulated clinical scenarios and case studies to analyse diagnostic data to provide differential diagnoses within an ethical framework of best practice and patient safety. You will demonstrate the professional knowledge, attitude and skills required to perform a complete echocardiographic study within a time frame related to clinical expectations. This unit prepares you for the clinical environment using the Assessment of Readiness for Clinical tool (ARC) in conjunction with other assessment tasks. Attendance at practical activities is a requirement of this unit.

Details

Career Level: *Undergraduate*

Unit Level: *Level 3*

Credit Points: 12

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.25

Pre-requisites or Co-requisites

Prerequisite MPAT12001 Medical Pathophysiology AND ECHO12003 Principles of Cardiac Assessment AND ECHO12005 Cardiac Clinical Unit 2

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 - 2018

- 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 12-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 25 hours of study per week, making a total of 300 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. **In-class Test(s)**

Weighting: 20%

2. **Practical Assessment**

Weighting: Pass/Fail

3. **Group Work**

Weighting: 30%

4. **Reflective Practice Assignment**

Weighting: Pass/Fail

5. **Performance**

Weighting: Pass/Fail

6. **Examination**

Weighting: 50%

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](#).

Unit Learning Outcomes

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

1. Differentiate between the aetiology, pathophysiology and echocardiographic assessment process associated with a variety of cardiovascular disease processes
2. Perform and interpret the outcomes of advanced haemodynamic calculations applied to 2D, colour and spectral Doppler derived echocardiographic measures
3. Differentiate between mechanical and bioprosthetic valve functionality
4. Analyse case-based clinical information to formulate differential diagnoses and plan patient management
5. Perform an echocardiographic examination efficiently and effectively
6. Display professional behaviour, teamwork and communication skills consistent with safe practice
7. 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, Foundation units of competence - 1 - 5.
2. European Association of Cardiovascular Imaging Core Syllabus
3. American Registry for Cardiac Sonography Core Syllabus

Alignment of Learning Outcomes, Assessment and Graduate Attributes

 N/A Level	 Introductory Level	 Intermediate Level	 Graduate Level	 Professional Level	 Advanced Level
---	--	--	--	--	--

Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes						
	1	2	3	4	5	6	7
1 - In-class Test(s) - 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	6	7
1 - Communication	•	•	•	•	•	•	•
2 - Problem Solving	•	•	•	•	•	•	•
3 - Critical Thinking	•	•	•	•	•	•	•
4 - Information Literacy	•	•	•	•			•

Graduate Attributes	Learning Outcomes						
	1	2	3	4	5	6	7
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 - In-class Test(s) - 40%	•	•	•	•		•		•		
2 - Practical Assessment - 0%	•	•	•	•		•	•	•		
3 - Performance - 0%	•	•	•		•		•	•		
4 - Reflective Practice Assignment - 0%	•	•	•	•	•		•	•		
5 - Examination - 60%	•	•	•	•						

Textbooks and Resources

Textbooks

ECHO13006

Prescribed

ASE's Comprehensive Echocardiography

Edition: 2nd (2016)

Authors: Lang, Goldestein, Kronzon, Khandheria, Mor-avi

Elsevier Saunders

Philadelphia , PA , USA

ISBN: 978-0-323-26011-4

Binding: Other

ECHO13006

Prescribed

A Sonographer's Guide to the Assessment of Heart Disease

Edition: 1st (2014)

Authors: Bonita Anderson

MGA Graphics

Brisbane , Queensland , Australia

ISBN: 9780992322205

Binding: Other

Additional Textbook Information

Bonita Anderson's textbook is only available in hardcopy. Purchases can be made from the CQUni Bookshop here:

<http://bookshop.cqu.edu.au> ASE text is available as an ebook. However, if you prefer a paper copy, you can purchase from the CQUni Bookshop as well.

[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

Schedule

Week 1 - 05 Mar 2018

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

Doppler Derived Haemodynamics	Anderson, B. (2017). The Normal Examination and Echocardiographic Measurements. Chapter 11, pages 203-232 Anderson, B. (2017). A Sonographer's Guide to the Assessment of Heart Disease. Chapter 1, pages 1-17	Lab#1 Monday + COMPULSORY LAB INDUCTION Monday TBA You are required to upload your Lab Agreement and Consent Form by 5PM AEST FRIDAY.
-------------------------------	---	--

Week 2 - 12 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Systolic Function	Anderson, B. (2017). The Normal Examination and Echocardiographic Measurements. Chapter 14, pages 277-294 Anderson, B. (2017). A Sonographer's Guide to the Assessment of Heart Disease. Chapter 2, pages 19-46; Chapter 19, pages 46-55; Chapter 113, pages 118-124 Lang, R. (2016). ASE's Comprehensive Echocardiography. Philadelphia, PA: Elsevier Saunders. Section VIII Chapters 27-31, pages 113-138	Lab#2 Monday

Week 3 - 19 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Diastolic Function and Hypertensive Heart Disease	Anderson, B. (2017). The Normal Examination and Echocardiographic Measurements. Chapter 14, pages 277-294 Anderson, B. (2017). A Sonographer's Guide to the Assessment of Heart Disease. Chapter 2, pages 19-46; Chapter 19, pages 46-55; Chapter 113, pages 118-124 Lang, R. (2016). ASE's Comprehensive Echocardiography. Philadelphia, PA: Elsevier Saunders. Section VIII Chapters 27-31, pages 113-138	Lab#3 Monday

Week 4 - 26 Mar 2018

Module/Topic	Chapter	Events and Submissions/Topic
Cardiomyopathies	Anderson, B. (2017). A Sonographer's Guide to the Assessment of Heart Disease. Chapter 6, pages 145-176 Lang, R. (2016). ASE's Comprehensive Echocardiography. Philadelphia, PA: Elsevier Saunders. Section XIV, Chapter 68-87, pages 285-370	Lab#4 Monday

Week 5 - 02 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Pericardial Heart Disease	Anderson, B. (2017). A Sonographer's Guide to the Assessment of Heart Disease. Chapter 6, pages 145-176 Lang, R. (2016). ASE's Comprehensive Echocardiography. Philadelphia, PA: Elsevier Saunders. Section XIV, Chapter 68-87, pages 285-370	EASTER MONDAY - no skills laboratory. Unmanned ultrasound skills practice available on campus on Tuesday

Vacation Week - 09 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
		Unmanned Scanning Echo Practice available on Tuesday

Week 6 - 16 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Aortic Valve Disease and Diseases of the Aorta	<p>Anderson, B. (2017). The Normal Examination and Echocardiographic Measurements. Chapter 11-13, pages 203-276</p> <p>Anderson, B. (2017). A Sonographer's Guide to the Assessment of Heart Disease. Chapter 7, pages 177-214; Chapter 11, pages 325-342</p> <p>Lang, R. (2016). ASE's Comprehensive Echocardiography. Philadelphia, PA: Elsevier Saunders. Section XV, Chapter 94-101, pages 389-432; Section XVI, Chapter 102-106, pages 437-452; Section XXV, Chapters 155-163, pages 659-700</p>	<p>Lab#5 Monday</p> <p>In-class test One scheduled during Laboratory session on Monday 16th April.</p> <p>SPA tool 1 due for online completion this week. An email link will be forwarded to students directly.</p>

Week 7 - 23 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Mitral Valve Disease	<p>Anderson, B. (2017). The Normal Examination and Echocardiographic Measurements. Chapter 12, pages 233-248</p> <p>Anderson, B. (2017). A Sonographer's Guide to the Assessment of Heart Disease. Chapter 8, pages 215-254</p> <p>Lang, R. (2016). ASE's Comprehensive Echocardiography. Philadelphia, PA: Elsevier Saunders. Section XVII, Chapter 107-112, pages 453-470; Section XVIII, Chapter 113-119, pages 477-510</p>	<p>Lab#6 Monday</p>

Week 8 - 30 Apr 2018

Module/Topic	Chapter	Events and Submissions/Topic
Tricuspid and Pulmonary Valve Disease	<p>Anderson, B. (2017). A Sonographer's Guide to the Assessment of Heart Disease. Chapter 9, pages 255-292</p> <p>Lang, R. (2016). ASE's Comprehensive Echocardiography. Philadelphia, PA: Elsevier Saunders. Section XIX, Chapter 120-123, pages 511-528; Section XX, Chapter 124-125, pages 529-536</p>	<p>Lab#7 Monday</p> <p>SPA tool 2 due for online completion this week. An email link will be forwarded to students directly.</p> <p>Group Work Poster and Oral Presentation. Due: Week 8 Friday (4 May 2018) 5:00 pm AEST</p>

Week 9 - 07 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Prosthetic Heart Valves, Infective Endocarditis and Cardiac Masses	<p>Anderson, B. (2017). A Sonographer's Guide to the Assessment of Heart Disease. Chapter 10, pages 293-323; Chapter 13, pages 373-406</p> <p>Lang, R. (2016). ASE's Comprehensive Echocardiography. Philadelphia, PA: Elsevier Saunders. Section XXI, Chapter 126-132, pages 537-574; Section XXII, Chapters 133-138, pages 575-592; Section XXIV, Chapters 146-154, pages 617-658</p>	<p>Lab#8 Monday</p>

Week 10 - 14 May 2018

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

Advanced Echocardiographic Applications

Lang, R. (2016). ASE's Comprehensive Echocardiography. Philadelphia, PA: Elsevier Saunders. Section VII, Chapter 21-26, pages 91-112; Section 1, Chapter 4, pages 13-16

In-class test Two scheduled during Laboratory session on Monday 14th May.
MOCK Practical Skills Assessment scheduled for Monday 21st May. Students will be advised of individual schedule closer to date. Students need to be available over the entire course of the day, and may be required to act as a patient model for a peer's examination. MOCK Measurement assessment will be conducted offline using Qlab workstations in computer laboratory.

In-class test(s) Due: Week 10
Monday (14 May 2018) 5:00 pm AEST

Week 11 - 21 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Systemic Diseases with Cardiac Manifestations and Miscellaneous Topics	Anderson, B. (2017). A Sonographer's Guide to the Assessment of Heart Disease. Chapter 14, pages 407-429 Lang, R. (2016). ASE's Comprehensive Echocardiography. Philadelphia, PA: Elsevier Saunders. Section XIV, Chapter 89, pages 373-375	Practical Skills Assessment scheduled for Monday 21st May. Students will be advised of individual schedule closer to date. Students need to be available over the entire course of the day, and may be required to act as a patient model for a peer's examination. Measurement assessment will be conducted offline using Qlab workstations in computer laboratory. 2D, colour and spectral Doppler practical skills assessment Due: Week 11 Monday (21 May 2018) 11:45 pm AEST

Week 12 - 28 May 2018

Module/Topic	Chapter	Events and Submissions/Topic
Revision and exam preparation		Professional Behaviour Assessment Upload must include 8 completed Formative Feedback Forms, Completed Scan Lab Attendance Page and Professional Behaviour Assessment Rubric In the event of a failed Skills Assessment in week 11, re-sit assessments will be held Monday this week. Reflective Practice Due: Week 12 Friday (1 June 2018) 4:00 pm AEST Professional Behaviour Assessment Due: Week 12 Friday (1 June 2018) 4:00 pm AEST

Review/Exam Week - 04 Jun 2018

Module/Topic	Chapter	Events and Submissions/Topic
		For more information about the examination timetable, visit the MYCQU Student Portal

Exam Week - 11 Jun 2018

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

Term Specific Information

The unit coordinator for ECHO13006 is Paula Boucaut. In the first instance, students are requested to utilise the Moodle Q&A forum for content related questions. As there are multiple content experts teaching into this unit, this enables the most appropriate staff member to respond to your forum post. If the query is of a personal nature, please email p.boucaut@cqu.edu.au, or phone my office number (07) 3203 4108.

Weekly tutorials will be held during the term. Specific times and meeting IDs will be posted on the Moodle site.

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.

Skills labs for this unit are mandatory. The Lab Induction is compulsory and failure to attend will result in a 'lapse in professionalism'. Labs missed for a valid reason require supporting documentation, and students are advised to contact the unit coordinator to organise time to make up for the missed scanning time during practice sessions. 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. 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'. Important: You MUST be available all of week 12 for re-sits or to be a patient for the practical re-sits. Re-sits for all practical assessments will take place in week 12.

Assessment Tasks

1 In-class test(s)

Assessment Type

In-class Test(s)

Task Description

You will be asked to complete two separate In-class tests. The in-class tests will be conducted during laboratory sessions during weeks 6 and 10 of the term.

The tests will review the application of haemodynamic concepts taught in lectures and tutorial delivery and practised in the simulated laboratory setting. Tests will require you to perform mathematical calculations, and interpret patient data. The 2 in-class tests are summative and contribute toward 20% of the final unit grade.

Questions similar in style to those found on the in-class tests are provided in the haemodynamic workbook available under week one on the Moodle site. Question examples will also be discussed during the tutorial and laboratory sessions to help you prepare for this assessment task.

Assessment Due Date

Week 10 Monday (14 May 2018) 5:00 pm AEST

The in-class tests will be conducted during laboratory sessions during weeks 6 and 10 of the term.

Return Date to Students

Week 12 Monday (28 May 2018)

Feedback will be given from the week 6 in-class test prior to attempting the final week 10 in-class test.

Weighting

20%

Assessment Criteria

A clinical case scenario will be provided. You will be assessed on your ability to:

- interrogate measurements supplied
- perform haemodynamic calculations
- demonstrate clinical reasoning

Individual mark allocations will be shown on the in-class test provided.

Referencing Style

- [Vancouver](#)

Submission

Offline

Submission Instructions

All assessment paperwork and notes to be handed in to supervisor present at time of In-class test. Closed book

conditions.

Learning Outcomes Assessed

- Differentiate the aetiology and echocardiographic assessment process in complex cardiovascular disease
- Contrast echocardiographic assessment data in complex cardiovascular disease
- Apply advanced Doppler derived non invasive haemodynamics to echocardiographic assessment
- Differentiate between mechanical and bioprosthetic valve functionality

Graduate Attributes

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

2 2D, colour and spectral Doppler practical skills assessment

Assessment Type

Practical Assessment

Task Description

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

Professional (pre-scan, during and post-scan) requirements :

- 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.

Technical (scanning) requirements for 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.
- 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, which is available on the unit Moodle site, and students are advised to carefully review this document.

To pass this assessment, both the professional and technical components must be graded as a 'pass'.

The components are graded separately, so that if one is passed and the other is not, only the failed component must be repeated to pass. If you fail only the professional component, the full practical scanning assessment will be repeated, but you will only be marked on the professional component. There is only ONE opportunity to re-sit either component of the assessment item.

Assessment Due Date

Week 11 Monday (21 May 2018) 11:45 pm AEST

Students will be advised of individual times for practical assessment prior to examination. No marks or feedback will be given at the time of assessment.

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, along with resit assessment details which will be held on Monday 28th May / Week 12.

Weighting

Pass/Fail

Minimum mark or grade

Advanced beginner level competency - minimum 70% mark to obtain a PASS for this assessment component and to qualify to pass unit overall. This assessment does not carry a weighting toward the final unit grade.

Assessment Criteria

The assessment criteria to achieve a 'PASS' overall - is as follows:

- Achieve 70% of available marks in the professional component AND all bold points
- Achieve 70% of available marks in the technical component

ARC tools are posted on the unit Moodle site.

Re-evaluation options:

In the event that you do not achieve a minimum 70% 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 in week 12.

If you failed only the professional component, the full practical scanning assessment will be repeated, but you will only be marked on the professional component.

Please be aware that assessments will be video recorded for moderation purposes. The videos will not be released to students for review.

Referencing Style

- [Vancouver](#)

Submission

Offline

Learning Outcomes Assessed

- Perform an echocardiographic examination efficiently and effectively.

Graduate Attributes

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

3 Group Work Poster and Oral Presentation.

Assessment Type

Group Work

Task Description

In groups, you will be required to create a poster and a 10-minute presentation. The poster will summarise the pathway of specialised cardiac assessment that would likely be required to substantiate an accurate diagnoses of pathology presented within an allocated case study. All group members must be involved in both the preparation of the poster and recording of the presentation. Your target audience is your fellow ECHO13006 students.

Vancouver in-text, image and diagram referencing style must be used.

The unit coordinator will assign students to a group for this assessment task. Group members will be from the same campus. The unit coordinator will assign each group a case study for evaluation as your topic for this assessment.

There are three accessible components to this assessment:

- Poster
- 10 minute presentation
- SPA tool

This task carries a 30% weighting toward the final unit grade. A marking rubric for this assessment task can be found on the Moodle unit site.

Assessment Due Date

Week 8 Friday (4 May 2018) 5:00 pm AEST

Poster and recording to be submitted electronically via Moodle Site by each group Member. Spa tool will also be available for team members to individually complete during week 6 and 8. Students will be emailed SPA access.

Return Date to Students

Week 10 Friday (18 May 2018)

Weighting

30%

Minimum mark or grade

50%

Assessment Criteria

Part A (10% of unit total)

Group-work task production of poster. The poster will summarise the given case and further testing required to assess these findings, along with likely test results specific to the case. Appropriate key information, diagrams, cardiac images and referencing are required.

The poster should be:

- Self explanatory.
- Materials and illustrations must be able to be viewed from distances of one metre or more. Lettering should be as large as possible and preferably in bold type.
- Captions and tables should be clear and succinct.
- Poster orientation must be portrait.
- Abbreviations and acronyms should not be used without clear differentiation.
- The movement pathway of the eye over the poster ought to be natural (down columns and along rows). Arrows, hands, numbers and symbols can clarify sequence.
- Should not be overloaded, simplistic styling is recommended.

Students will be required to submit one printed poster per group submission in either A1 or A0 paper sizing. This submission will be retained by the University and may be displayed within the echocardiographic simulation laboratory for peer review.

Part B (15% of unit total)

Group-work task production of a 10-min recorded oral presentation based around the group's poster.

All group members must be involved in both preparation of the poster and recording of the presentation. Use communication and teamwork to complete the required tasks. Complete relevant literature searches about your chosen topic, collate, discuss and edit the information. The oral poster presentation discussing the poster content must be no longer than 10 minutes duration. The presentation should not add new material but simply present a summation of the group findings.

A marking rubric for assessment task Part A and B can be found on the Moodle unit site.

Part C (5% of unit total)

Individual component involving the completion of a Self and Peer Assessment (SPA) tool. The SPA is a tool that utilises the ten responses gathered from your teammates to quantify the value they have placed on your contribution to the group work.

REFERENCING

For this unit you are to use Vancouver referencing style to show the author/publication details on the reference list and for in-text referencing for information as well as images/diagrams. There is a link on the unit Moodle site for referencing assistance.

CQUni takes the use of plagiarism very seriously, so please refer to the published guidelines on the [Academic Misconduct Procedure IMPORTANT available HERE](#).

Completion Advice

Your target audience is your fellow ECHO13006 students. Your objective is to teach student/junior echocardiographers about your assigned pathology and patient's case. This task is designed to give you experience in preparing a poster and delivering a lecture for in-house or conference presentation to fellow colleagues in your future career.

The poster must include team members' names and student number plus your assigned topic. A small box containing the reference list must be presented in the bottom right hand corner of the poster.

Group marks will be determined by the content and quality of the poster and subsequent oral presentation submitted. All team members will receive the same mark for this component (Part A & B together).

It is expected that you will share the work of this assessment task equally between group members so that an even spread of input between group members is achieved.

Group work is required by industry as your profession needs to function in a team environment. As such, group work is defined as working together in a team and not simply working next to each other. I strongly advise that all group members collaborate into all aspects of this task.

Good planning (setting of meeting dates, deadlines), communication (determination of the best form(s) of communication to suit all group members) and assignment of roles (plant, finisher, shaper, etc) will assist in the facilitation of this assessment item. It is recommended to utilise the Belbin team roles and characteristics to determine which group members may be best at different roles. To refresh your memory on the Belbin role, please click [HERE for a diagrammatic](#) representation or for a [more detailed descriptor click HERE](#).

The Self and Peer Assessment tool or SPA (Part C), is a web based system that integrates with Moodle. You will be asked to complete 2 separate SPA assessments. You will receive an email link at the halfway point in the process and again at the completion of the task. This link allows you access to a simple, quick response survey. The Spa requires completion of a series of 10 standard questions. The Moodle grade book receives these averaged ratings. This mark excludes your own self-assessment. Please watch a [short video on SPA available HERE](#).

Referencing Style

- [Vancouver](#)

Submission

Online Group

Submission Instructions

For the presentation recording, please note that Moodle uploads have a maximum limit of 100Mb so you may need to compress your file. The best formats to utilise are mp4, flv and mov. It is important that the voice over can be heard clearly as this is how you deliver your content to your audience. Using a quiet room (such as can be booked out in CQU libraries) and recording the presentation together as a group gives the best outcome and is most authentic. An electronic version of poster is be uploaded via Moodle.

Learning Outcomes Assessed

- Analyse case-based clinical information to calculate pressures, formulate differential diagnoses and plan patient management strategies

Graduate Attributes

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

4 Reflective Practice

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 8 Formative Feedback Forms and one Mock Skills Feedback form to be uploaded in Week 12.

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), and to have it 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 under Assessment 5 (Professional Behaviour Assessment) which outlines the procedures for lab absences.

Assessment Due Date

Week 12 Friday (1 June 2018) 4:00 pm AEST

You will be required to upload all 8 of your Formative Feedback Forms and the Mock Skills feedback form by week 12. (Friday 4.00pm)

Return Date to Students

A PASS/FAIL grade will appear in grade books within 7 working days after due date.

Weighting

Pass/Fail

Assessment Criteria

- PASS/FAIL assessment
- To obtain a 'PASS', all documentation must be completed correctly and submitted on or before the corresponding due date and time.
- All documents must be legible and uploaded in PDF format only.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Online in PDF format only.

Learning Outcomes Assessed

- Apply constructive feedback to professional practice improvement.

Graduate Attributes

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

5 Professional Behaviour Assessment

Assessment Type

Performance

Task Description

The purpose of this assessment is to prepare you for professional behaviour, attendance and documentation responsibilities on clinical placement. When working clinically, patients and physicians rely on quick, efficient and complete documentation to issue treatment.

This assessment will require you to complete the documentation set forth in the ECHO13006 Lab Manual.

This includes:

- A signed Lab Agreement and 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

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), and to have it signed off by your instructor.

Please note behavioural expectations for this, and all other, skills based units in this course. These are clearly outlined in the [Lab Agreement available HERE](#), and the [Professional Behaviour Assessment available HERE](#).

Absenteeism / What you need to know if you are off sick:

Skills labs for this unit are mandatory. You must notify staff and the unit coordinator before the start of compulsory labs if you are not able to attend - failure to notify staff (email, phone) before the start of a missed lab will result in a LiP point except in extraordinary circumstances. In the workplace, it is imperative that colleagues and patients who are depending on you are aware of whether you are attending your shift or not. Labs missed for a valid reason require supporting documentation, and students are advised to contact the unit coordinator to organise time to make up for the missed scanning time during practice sessions as soon as possible after missing the lab. Any lab missed without valid reason and supporting documentation, and/or prior approval will warrant a LiP point.

Sick Certificates:

Medical or health-related certificates must be in the approved formats articulated in the *CQUniversity Assessment Policy and Procedure (HE Coursework)*, section 4.53.

Please note, 4.53(f), A required medical or health-related certificate 'in the approved form' meets all the following criteria: Contains sufficient evidence to enable an informed decision regarding the application. Non-specific statements that are not acceptable include but are not limited to the following: "the student is not fit for duty" and "the student is suffering from a medical condition or illness". A statement that "the patient is, in my opinion, suffering from a medical condition, the exact nature of which I cannot divulge for reasons of patient privacy" would be acceptable.

You must notify staff before beginning scanning on any day (compulsory labs, manned practice, unmanned practice, and practical skills assessments) if you are injured or ill. In the event that your condition 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), you will be sent home and, in the event of it being a compulsory lab or practical skills

assessment, will need to provide acceptable medical documentation for your absence, as described above. Students who are sick and/or injured and cannot attend a practical skills assessment on the scheduled day must notify the unit coordinator (email, phone) and local campus staff (in person, phone, email) before the start of their assessment. The practical skills assessment will be postponed to another day.

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.

Assessment Due Date

Week 12 Friday (1 June 2018) 4:00 pm AEST

You will be required to upload your signed Lab Agreement and Consent Form in week 1. You will be required to upload your Scan Lab Attendance Page, and a completed and signed Professional Behaviour Assessment Rubric form by week 12.

Return Date to Students

A PASS/FAIL grade will appear in grade books within 7 working days after due date.

Weighting

Pass/Fail

Assessment Criteria

- PASS/FAIL assessment.
- To obtain a 'PASS', all documentation must be completed correctly and submitted on or before the corresponding due date and time.
- No more than THREE lapses in professionalism are permitted to pass this unit.
- All documents must be legible and uploaded in PDF format only.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Online in PDF format only.

Learning Outcomes Assessed

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

Graduate Attributes

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

Examination

Outline

Complete an invigilated examination.

Date

During the examination period at a CQUniversity examination centre.

Weighting

50%

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).

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