



# MEDS12003 *Superficial Structures in Ultrasound*

## Term 1 - 2022

Profile information current as at 28/04/2024 04:00 am

All details in this unit profile for MEDS12003 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

## General Information

### Overview

This unit explores the sonographic assessment of normal and pathological superficial structures. You will apply knowledge of anatomy, physiology and embryology to conduct sonographic examinations of superficial structures in the laboratory setting as well as utilising simulated clinical scenarios and case studies to critically reflect on sonographic problems. Development of the knowledge, skills and attitudes required to perform an ultrasound examination of the thyroid will be assessed within a simulated environment.

### 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

Prerequisite MEDS11001 Fundamentals of Sonographic Practice and MEDS11002 Relational Anatomy and Image Recognition OR MEDI11003 Relational Anatomy and Corequisites MEDS12001 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 1 - 2022

- Brisbane
- Mackay
- Melbourne
- 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. **Written Assessment**

Weighting: Pass/Fail

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

Weighting: Pass/Fail

#### 3. **Online Quiz(zes)**

Weighting: Pass/Fail

#### 4. **On-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](#).

## 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 SUTE survey student communication

**Feedback**

Students enjoyed the scanning/lab portion of the unit.

**Recommendation**

Students report that they enjoy the sonographic practical scanning component of the unit. Maintain current practical sonographic scanning labs in the current format within this unit.

#### Feedback from SUTE survey student communication

**Feedback**

Moodle Page navigation needs to be more streamline so that it is easier to navigate.

**Recommendation**

Re-design the Moodle layout of this unit to allow it to be easier for students to navigate. Ensure adherence to the most up-to-date CQU renew Moodle tile template.

#### Feedback from SUTE survey student communication

**Feedback**

Students found the tutorials very well-structured and informative.

**Recommendation**

Maintain the frequency, content and teaching style of these tutorials for future deliveries of the unit.

#### Feedback from SUTE survey student communication

**Feedback**

Students identified the need for the first Physics (MEDS12001) lab to be scheduled before lab one of MEDS12003, so that they could be better prepared for MEDS12003 labs.

**Recommendation**

Consider scheduling the first Physics (MEDS12001) lab after the week one lab induction/orientation but before lab one of MEDS12003 for a more beneficial outcome.

## Unit Learning Outcomes

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

1. Apply knowledge of anatomy, physiology and embryology of superficial structures to the sonographic examination.
2. Differentiate the clinical appearance, sonographic appearance and aetiology of pathologies of superficial structures.
3. Analyse clinical scenarios to provide a differential diagnosis and produce a sonographic report.
4. Apply the practical skills and critical thinking necessary to perform a sonographic examination of the thyroid.
5. Display professional behaviour, teamwork and communication skills and criteria to meet safe sonographic practice

The learning outcomes for this unit relate to the requirements of the Australasian Sonographer's Association Competency Standards for the Entry Level Sonographer.

## 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 - Written Assessment - 0%   | •                 | • |   |   |   |
| 2 - Practical Assessment - 0% | •                 | • | • | • |   |
| 3 - Online Quiz(zes) - 0%     | •                 | • |   |   |   |
| 4 - On-campus Activity - 0%   |                   |   |   | • | • |

## 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 - Written Assessment - 0%   | •                   | • | • | • |   | • |   |   |   |    |
| 2 - Practical Assessment - 0% | •                   | • | • | • |   | • |   | • |   |    |
| 3 - Online Quiz(zes) - 0%     |                     | • | • | • |   | • |   |   |   |    |
| 4 - On-campus Activity - 0%   | •                   | • |   |   | • |   | • | • |   |    |

## Textbooks and Resources

### Textbooks

MEDS12003

#### Prescribed

#### Textbook of Diagnostic Sonography

Edition: 8th (2018)

Authors: Hagen-Ansert

Elsevier

ISBN: 9780323353755

Binding: Hardcover

[View textbooks at the CQUniversity Bookshop](#)

### IT Resources

**You will need access to the following IT resources:**

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Access to CQ university campus (Sonography lab)
- Access to Phillips iSite (PACS) on-campus

## Referencing Style

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

For further information, see the Assessment Tasks.

## Teaching Contacts

**Ovini Wanigasekera** Unit Coordinator

[o.wanigasekera@cqu.edu.au](mailto:o.wanigasekera@cqu.edu.au)

## Schedule

### Week 1 Compulsory Induction, Lab Orientation - 07 Mar 2022

Module/Topic

Chapter

Events and Submissions/Topic

**Welcome ZOOM Online Tutorial:  
Tuesday 1100 AWST / 1300 AEST /  
1400 AEDT**

**Compulsory (online) Lab**

**Induction:** Students **must** complete the (online) Lab Induction (WHS requirement) before attending Week 1 Sonography Labs. Task must be completed **before 10th March 2022**. See Week 1 Tile for Lab induction specification.

Introduction to Superficial Structures  
Hagen-Ansert (8th Ed) Chapter 2, pg 25, 36-41, 48-52.  
Hagen-Ansert (8th Ed) Chapter 3  
Hagen-Ansert (8th Ed) Chapter 6

The **Compulsory Lab Orientation** for this unit will be held (on campus) on **Week 1 Thursday** [10th March 2022].

**Assessment 4A and Assessment 4B:**

The 'Lab Agreement' document is due as a submission (Assessment 4A) via Unit Moodle site by **Week 1 Friday** [11th March 2022] **1600 AWST / 1800 AEST / 1900 AEDT**. See Assessments tab.

The 'Consent Form' document is due as a submission (Assessment 4B) via unit Moodle site by **Week 1 Friday** [11th March 2022] **1600 AWST / 1800 AEST / 1900 AEDT**. See Assessments tab.

**Week 2 Thyroid and Parathyroid - 14 Mar 2022**

| Module/Topic                  | Chapter                          | Events and Submissions/Topic   |
|-------------------------------|----------------------------------|--|
| Thyroid and Parathyroid gland | Hagen-Ansert (8th Ed) Chapter 22 | <b>ZOOM Online Tutorial: Tuesday 1100 AWST / 1300 AEST / 1400 AEDT</b> |

**Week 3 Thyroid Imaging, Reporting and Data Systems (TIRADS) - 21 Mar 2022**

| Module/Topic   | Chapter | Events and Submissions/Topic   |
|--|---------|--|
| Thyroid Imaging, Reporting and Data Systems (TIRADS) |         | <b>ZOOM Online Tutorial: Tuesday 1100 AWST / 1300 AEST / 1400 AEDT</b> |

**Week 4 Lymph Nodes - 28 Mar 2022**

| Module/Topic | Chapter   | Events and Submissions/Topic   |
|--------------|---|--|
| Lymph Nodes. | Hagen-Ansert (8th Ed) Chapter 21 pp 589<br>Hagen-Ansert (8th Ed) Chapter 22 pp 632. | <b>ZOOM Online Tutorial: Tuesday 1100 AWST / 1300 AEST / 1400 AEDT</b> |

**Week 5 Salivary Glands - 04 Apr 2022**

| Module/Topic                                     | Chapter | Events and Submissions/Topic  |
|--|---------|---|
| Salivary Glands<br><b>Assessment 3</b> - Quiz 2. |         | <b>ZOOM Online Tutorial: Tuesday 1100 AWST / 1300 AEST</b><br><br><b>Assessment 3 Quiz 1:</b><br>Opens [5th April 2022] <b>Tuesday 1200 AWST / 1400 AEST</b> , closes <b>Tuesday</b> [5th April 2022] <b>(same day) 1600 AWST / 1800 AEST</b> via unit Moodle site. |

**Vacation Week - 11 Apr 2022**

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

Break Week

### Week 6 Scrotum and Testes - 18 Apr 2022

| Module/Topic        | Chapter                           | Events and Submissions/Topic                               |
|---------------------|-----------------------------------|--|
| Scrotum and Testes. | Hagen-Ansert (8th Ed) Chapter 23. | <b>ZOOM Online Tutorial: Tuesday 1100 AWST / 1300 AEST</b> |

### Week 7 Miscellaneous Lumps and Foreign Bodies - 25 Apr 2022

| Module/Topic  | Chapter | Events and Submissions/Topic  |
|---|---------|---|
| Miscellaneous Superficial lumps and Foreign Bodies. |         | <b>ZOOM Online Tutorial: Tuesday 1100 AWST / 1300 AEST</b><br><b>Assessment 1 Online Test:</b><br>Opens [26th April 2022] <b>Tuesday 1200 AWST / 1400 AEST</b> , closes <b>Tuesday [26th April 2022] (same day) 1600 AWST / 1800 AEST</b> via unit Moodle site. |

### Week 8 Eyes - 02 May 2022

| Module/Topic | Chapter | Events and Submissions/Topic                               |
|--------------|---------|--|
| Eye          |         | <b>ZOOM Online Tutorial: Tuesday 1100 AWST / 1300 AEST</b> |

### Week 9 SKILLS TEST - 09 May 2022

| Module/Topic   | Chapter | Events and Submissions/Topic   |
|--|---------|--|
| Skills Test [Professions and Technical consolidation]<br><b>Assessment 2</b> - Practical Assessment - SKILLS TEST. |         | <b>ZOOM Online Tutorial: Tuesday 1100 AWST / 1300 AEST</b><br><b>Assessment 2: Practical SKILLS TEST</b> (on-campus) Week 9 Thursday and/or Friday Lab [12th and 13th May 2022]. |

### Week 10 Ultrasound Guided Interventional Procedures - 16 May 2022

| Module/Topic                                 | Chapter                           | Events and Submissions/Topic |
|--|-----------------------------------|------------------------------|
| Ultrasound Guided Interventional Procedures. | Hagen-Ansert (8th Ed) Chapter 18. |                              |

### Week 11 Revision Week - 23 May 2022

| Module/Topic  | Chapter | Events and Submissions/Topic                 |
|---------------|---------|--|
| Revision Week |         | <b>ZOOM Online Tutorial: To be announced</b> |

### Week 12 RESIT SKILLS TEST and Quiz 2 - 30 May 2022

| Module/Topic  | Chapter | Events and Submissions/Topic   |
|---|---------|--|
| <b>Assessment 3</b> - Quiz 2.<br><b>Assessment 2</b> - Practical Assessment - RESIT SKILLS TEST.<br><b>Assessment 4</b> - 'Skills Lab Manual and Formative Feedback' document submission. |         | <b>Assessment 3 Quiz 2:</b><br>Opens [30th May 2022] <b>Monday 0800 AWST / 1000 AEST</b> and closes [31st May 2022] <b>(next day) Tuesday 1600 AWST / 1800 AEST.</b><br><b>Assessment 2: Practical RESIT SKILLS TEST</b> (on-campus) Week 12 Thursday and/or Friday Lab [2nd and 3rd June 2022]<br><b>Assessment 4: 'Skills Lab Manual and Formative Feedback'</b> Due by <b>Week 12 Friday</b> [3rd June 2022] <b>1600 AWST / 1800 AEST.</b> See Assessments tab. |

**Review/Exam Week - 06 Jun 2022**

| <b>Module/Topic</b> | <b>Chapter</b> | <b>Events and Submissions/Topic</b> |
|---------------------|----------------|-------------------------------------|
|---------------------|----------------|-------------------------------------|

**Exam Week - 13 Jun 2022**

| <b>Module/Topic</b> | <b>Chapter</b> | <b>Events and Submissions/Topic</b> |
|---------------------|----------------|-------------------------------------|
|---------------------|----------------|-------------------------------------|



## Term Specific Information

**Unit Coordinator:** Your unit coordinator for Term 1, 2022 is Ovini Wanigasekera. Ovini can be reached at [o.wanigasekera@cqu.edu.au](mailto:o.wanigasekera@cqu.edu.au) (Monday-Thursday). The Unit coordinator is based in Perth therefore please account for time differences with regards to communication. Email is the preferred method of communication. There are local co-unit coordinators involved within this unit who are based at each of the five campuses that this unit is offered to provide local campus support, specifically for the practical aspects of this unit. The unit coordinator in combination with the local coordinators are responsible for the delivery of the practical aspect of this unit as well as marking and moderation of practical assessments.

**Learning Activities:** The learning activities involved in this unit include pre-recorded weekly lectures, readings, modified thyroid scan protocol, weekly interactive tutorials (via Zoom) and on-campus attendance at sonography labs. This unit is a 6-credit point unit and it hosts on-campus activities (sonographic lab sessions) on Thursday and Friday of the week for the term. You need to ensure you allocate enough time to this unit to allow yourself success. Please be aware that this unit is scheduled to run once a year and that the next delivery will be in Term 1, 2023.

**Tutorials:** Tutorials for this unit is held via ZOOM and is conducted Weeks 1-9 of the term (excluding break week and Weeks 10-12). The Zoom tutorials will be held **TUESDAY 1100 AWST (WA Time)**. Please adjust to your local time.

**Practical Labs:** There are Compulsory Labs and Practise Labs dedicated to this unit. Practice Labs are either Tutor assisted (tutor present) or Peer assisted (independent practice). There are seven (7) **Compulsory Practical Labs** allocated to this unit. These are held on **Thursdays for Weeks 1,3-4, 6-9, 12, and Friday of Week 9 and 12**. Compulsory attendance also applies to days allocated to practical assessments and practical assessments re-sits. If you cannot attend an allocated compulsory lab or are going to arrive late for a lab session, you are required to notify the unit coordinator AND local co-unit coordinator by email or phone (preferably by email), **prior** to the commencement of the lab. Non-attendance at an allocated compulsory lab session requires a valid reason with supporting documentation.

**Tutor Assisted practise lab sessions** are held on **Friday Weeks 3-5 and Thursday Week 11**. These lab sessions are supervised by qualified tutor sonographers and will allow you to consolidate practical sonographic skills learnt through compulsory labs through deliberate practice. They are not compulsory, but it is highly advised that you take advantage of these. If you are unable to attend a tutor assisted practice, you need to communicate your absence with the the unit coordinator as soon as possible.

**Peer Assisted practise lab sessions** are held on **Thursday Break Week and Fridays Week 6-8, 10-11**. These self-directed sonographic practise lab sessions are available for you to book through GoogleDocs. You are allocated 30 minutes of individual scanning time per session (unless it is a RESIT session which will allow 1 hour individual scanning time per session). You are required to undertake these practice scanning sessions within pairs (so will need a student partner). If you are unable to attend the book session you need to communicate your unavailability to your partner with reasonable notice.

**Important information:** The compulsory WH&S Lab induction video and quiz (available on unit Moodle site) must be completed prior to Week 1 Thursday Lab orientation session. This task must be completed **before** the use of the sonography labs in **any** capacity. You are required to adhere to the Sonography Dress Code and the CQU Zero Tolerance Policy when participating in the sonography labs at all times. Failure to comply will result in being asked to leave the lab (if unsuitable attire or unsafe behaviour is noted). You must notify relevant staff before the commencement of a lab session on any day if you are injured or ill. If your condition could harm or negatively impact yourself or others, you may be sent home.

**Attendance for Assessment Days:** Attendance for all practical assessment days and re-sit practical assessment days is mandatory. Please ensure availability across **both** Thursday and Friday of Week 9 and Week 12 (Compulsory Labs), for testing and patient pool purposes. If you cannot attend a practical skills assessment on the scheduled day due to illness or injury you must provide acceptable medical documentation. The unit coordinator will arrange for the practical skills assessment to be undertaken at another time. Acceptable reasons for adjusting assessment for exceptional circumstances are articulated in the CQUniversity Assessment Policy and Procedure (HE Coursework), section 5.21, and are applicable for practical skills assessments, quizzes and written assessment components.

**Grading of this unit:** This is a non-graded Pass/Fail unit. There are 4 assessment items for this unit. You must achieve a pass for all four assessments, and all components of all assessments, to achieve success (and an overall pass grade) in this unit. Please refer to the assessment information section in this unit profile for more details. All written assessment items must be submitted accurately and in the correct format by the due date, as there is no opportunity to apply a 5% penalty due to the pass/fail nature of each assessment task. Acceptable reasons for adjusting assessment for *exceptional* circumstances are articulated in the CQUniversity Assessment Policy and Procedure (HE Coursework), section 5.21, and are applicable for practical skills assessments, online quizzes, and written assessment (online tests). The full documents for Assessment Policy and Procedure (Higher Education Coursework) and Grades and Results Procedure can be accessed via <https://www.cqu.edu.au/policy>.

## Assessment Tasks

# 1 Online Test

## Assessment Type

Written Assessment

## Task Description

As a sonographer, correctly translating sonographic examination findings onto a sonographers worksheet is an important part of the profession. Sonographers are required to accurately identify, describe and document pathology in a timely manner.

**Assessment 1** is a short answer, online test conducted in Week 7 of the term. For this assessment, you will be provided with sonographic images and videos from a case study of either the thyroid, parathyroid, lymph nodes or salivary glands. It will assess your ability to interpret and correctly describe sonographic findings. Resources for successful completion of this assessment will be through lectures, tutorials and a practice online worksheet test (*which will be accessible by Week 5 of term*).

Refer to assessment guidelines below:

- This Online Test is open for 4 hours. The time limit to complete this test will be 20min. Once the time limit is reached any open questions will be automatically submitted.
- There will be 10 short answer questions.
- Only **one** attempt can be made and once started the test cannot be paused or restarted.

## Important Information

- No late submissions are permitted after the test has closed so please ensure adequate time for completion
- Failure of technology is not recognised as reasonable grounds for an extension request or re-attempt.
- If your home internet is unreliable, please ensure you attempt this test on campus premises. Please ensure to find a clear, organised, quiet zone (at university or at home) prior to attempting this test. If a sudden technical (Moodle site) interruption has occurred, please screen shot, or take a photo with your phone, to provide evidence of this technical issue. You need to contact TaSAC as soon as possible for assistance, and email the unit coordinator to give notification of the technical issue.
- An extension request for this Assessment item must meet exceptional extenuating circumstances. This request must be received **PRIOR** to test end time. In the absence of an approved extension, or documented technical issue, there will be no opportunity to complete this test after it has closed.

## Assessment Due Date

Assessment 1 opens (via unit Moodle site) on WEEK 7 Tuesday 26th April 2022 at 1200 AWST / 1400 AEST and closes Tuesday 26th April 2022 at 1600 AWST / 1800 AEST.

## Return Date to Students

Students will receive their results by Week 9 Friday 13th May 2022

## Weighting

Pass/Fail

## Minimum mark or grade

50%

## Assessment Criteria

This is a **PASS/FAIL** assessment item.

In order for a student to achieve a pass mark in this assessment, the student must achieve a **minimum score of 50% in the online test**. Students must demonstrate a reasonable attempt to complete this assessment item by the set due date and time.

The online test short answer questions will be marked by the Unit Coordinator. This is an open book test, so you have the opportunity to consult your notes, lecture slides, text books, and Moodle page. However, this assessment is to be undertaken as an individual, and is not approved as group work. As per the Student Academic Integrity Policy and Procedure, Section 3.25 "If evidence shows that plagiarism, collusion, cheating or academic misconduct of any kind has occurred, the conduct will be considered a breach of academic integrity." Colluding with other students on non-group work tasks is considered academic misconduct, and will be reported to the Academic Integrity Unit.

## Referencing Style

- [Vancouver](#)

## Submission

Online

### Submission Instructions

Refer to test open and close times and complete via the unit Moodle site. This test is available through the Assessments Tab.

### Learning Outcomes Assessed

- Apply knowledge of anatomy, physiology and embryology of superficial structures to the sonographic examination.
- Differentiate the clinical appearance, sonographic appearance and aetiology of pathologies of superficial structures.

### Graduate Attributes

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

## 2 Practical Skills Test - Modified Thyroid Protocol

### Assessment Type

Practical Assessment

### Task Description

In your future career as a qualified sonographer, you will be required to competently perform sonographic examinations of superficial structures within a timely manner. To begin your journey to competency in this domain, you will undertake training and practise in our simulation labs.

For this assessment, you will be required to complete a **Practical Sonographic Assessment** of the thyroid. This is an assessment of the pre-scan, scanning, and post-scan skills, and it will be assessed using the electronic 'Assessment of Readiness for Clinical' (**eARC tool**). Resources for successful completion of this assessment will be through compulsory and non-compulsory lab sessions, tutorials and a mock test. These resources are all designed to help you develop your scanning skills through the term. Further resources such as demonstration videos and tutorials will aid the development of this skill. It is important to remember that any demonstration video provided should be used as a guide only as often the scanning skill techniques will need to be adapted based on patient anatomy.

To pass the thyroid practical skills test overall, both the professional and technical components of this assessment must be graded as a 'pass' individually. The following lists the sub-assessment components

**Professional Assessment:** This component will assess professional aspects of a sonographic examination such as communication, infection control, consent and patient care skills.

**Technical Assessment:** This component will assess your ability to perform a modified thyroid protocol, acquire images and identify anatomy. You will be assessed on anatomy and diagnostic quality of sonographic surveys and images.

The professional and technical components will be marked through the application of *critical* and *non critical* skills. Critical skills are foundational skills required to pass this unit, non critical skills are those that are developing during this unit and can continue to be worked on in subsequent units. Critical skills are 'must do' elements within this assessment, and non critical skills are 'should do' elements. In order to pass this assessment, all critical skills must be completed accurately and consistently. The eARC clarifies the critical skills required in this assessment. The critical skills required in this technical assessment are bolded in the 'Optimisation Criteria Correct Practice' on pages 13 & 14 of the eARC tool. Anatomy recognition is marked as part of the technical assessment. Your assessor will ask you to identify anatomy on the screen as you scan. This is to ensure your theoretical knowledge can be transferred to sonographic practice to diagnostically assess the ROI. Narration of your technical skills is not assessed in this technical assessment but is encouraged.

The time limit to complete both professional and technical components of the exam is 30 minutes. The time limit to complete the technical (scanning) component of the assessment is 20 minutes.

### Assessment Due Date

Practical Assessment (SKILLS TEST) will be assessed on-campus during the Compulsory Labs WEEK 9 Thursday or Friday 12th or 13th May 2022.

### Return Date to Students

Week 9 SKILLS TEST result will be released Week 12 Tuesday 31st May 2022. The Week 12 RESIT SKILLS TEST result will be available by 8th July 2022 Certification of Grades.

## Weighting

Pass/Fail

## Assessment Criteria

This is a **PASS/FAIL** assessment item.

To PASS this assessment, **both** the professional and technical components must be graded as a '**PASS**' against the marking criteria framework - please refer to the eARC tool for specifications.

### Professional Assessment:

The professional component is marked separately from the technical component. The professional assessment '*critical*' skills are the **bolded items** in the eARC tool and must be completed in order to pass. In the event a student does not satisfy a specific critical skill requirement, the student will be required to repeat both technical and professional components (at the resit attempt), to demonstrate that all professional (bolded) critical skill requirements are met. In this event, the technical component will not be reassessed.

### Technical Assessment:

The technical component is marked separately from the professional component. The technical assessment is marked by dividing up each section into *critical* and *non critical* skills. Critical skills must be demonstrated consistently with zero *critical* errors made in order to pass this assessment. There is no limit of *non critical* errors that may be made and still pass this assessment, however if any of those errors result in a *critical* error due to severity, then they will count instead as a critical error. In the event a student does not satisfy a specific technical critical skill requirement, the student will be required to repeat only the technical scan in its entirety (at the resit attempt). In this event, the professional component will not be reassessed

### Re-attempts

In the event you are unsuccessful at passing this assessment task in **Week 9** of the term, one **RESIT** (re-attempt) opportunity is provided to you in **Week 12** of the term. You will receive the marked and moderated eARC tool from the Week 9 Skills test, so please review this carefully to improve technical and/or professional standards. It is recommended to attend practice lab sessions conducted between Weeks 10 and 11 to practice and implement this feedback, prior to sitting the Week 12 RESIT Skills test. In the event that you are unsuccessful all critical skills (*for both or either the technical or professional components*) in the Week 12 RESIT attempt, there is no further opportunity for re-attempts or supplementary assessments.

### Additional information

Your grade (PASS/FAIL) will be allocated following consensus moderation. Please be aware that all practical skills assessments will be video recorded however these videos will not be released to students. Videos may be viewed by CQU sonography staff and tutors for the purposes of marking and moderation of assessments. It also may be required to be viewed by other CQU staff in the event of a student requesting an Review of Grade or Appeal of Grade.

## Referencing Style

- [Vancouver](#)

## Submission

Offline

### Submission Instructions

There is NO Moodle submissions for this Assessment item.

## Learning Outcomes Assessed

- Apply knowledge of anatomy, physiology and embryology of superficial structures to the sonographic examination.
- Differentiate the clinical appearance, sonographic appearance and aetiology of pathologies of superficial structures.
- Analyse clinical scenarios to provide a differential diagnosis and produce a sonographic report.
- Apply the practical skills and critical thinking necessary to perform a sonographic examination of the thyroid.

## Graduate Attributes

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

## 3 Online Quizzes

### Assessment Type

Online Quiz(zes)

### Task Description

It is necessary for sonographers to have a thorough understanding of anatomy and physiology of the structures being examined sonographically. It is also important to correlate sonographic findings with clinical indications to provide a likely diagnosis and differential diagnosis.

For this assessment you will be required to complete **two** (2) separate online quizzes. It will assess your knowledge on structures specific to superficial parts. Resources for successful completion of this assessment will be through lectures, tutorials and practice quizzes.

Refer to assessment guidelines below:

**Assessment 3** will require completion of two separate Online Quizzes held in Weeks 5 and 12 respectively and will be accessible online via the unit Moodle site.

- **Quiz 1** will be open for 4 hours. The time limit for Quiz 1 is 25 minutes. Once the time limit is reached any open questions will be automatically submitted. It will assess content from Weeks 1 - 3.
- **Quiz 2** will be open for 32 hours. The time limit for Quiz 2 is 30 minutes. Once the time limit is reached any open questions will be automatically submitted. It will assess content from Weeks 1 - 12.
- Each quiz will contain 20 Multiple Choice Questions
- Only one attempt per quiz can be made and once started, the quiz cannot be paused or restarted.

### Important Information.

- No late submissions are permitted after the quizzes have closed so please ensure adequate time for completion.
- Failure of technology is not recognised as reasonable grounds for an extension request or re-attempt.
- If your internet is unreliable, please ensure you attempt these quizzes on campus. Please ensure to find a clear, organised, quiet zone (at university or at home) prior to attempting these quizzes.
- If a sudden technical (Moodle site) interruption has occurred, please screen shot, or take a photo with your phone, to provide evidence of this technical issue. You need to contact TaSAC as soon as possible for assistance, and email the unit coordinator to give notification of the technical issue.
- An extension request for this Assessment item must meet exceptional extenuating circumstances. These requests must be received **PRIOR** to quiz end time. In the absence of an approved extension, or documented technical issue, there will be no opportunity to complete these quizzes after it has closed.

### Number of Quizzes

2

### Frequency of Quizzes

Other

### Assessment Due Date

Quiz 1 opens WEEK 5 Tuesday 5th April 2022 at 1200AWST / 1400 AEST and closes Tuesday 5th April 2022 at 1600AWST / 1800AEST. Quiz 2 opens WEEK 12 Monday 30th May 2022 at 0800 AWST / 1000 AEST and closes Tuesday 31st May 2022 at 1600 AWST / 1800 AEST.

### Return Date to Students

Students will receive their score (quiz mark only) via the unit Moodle site once all students have completed the quiz.

### Weighting

Pass/Fail

### Minimum mark or grade

50% cumulatively

### Assessment Criteria

This is a **PASS/FAIL** assessment item.

In order for a student to achieve a pass mark in this assessment, the student must achieve a **minimum cumulative score of 50% or higher across both (2) the quizzes**. Students must demonstrate a reasonable attempt to complete **both** quizzes within this Assessment item by set due date and time.

Answers will be either correct or incorrect and tabulated by the unit's online Moodle system.

This is an open book quiz, so you have the opportunity to consult your notes, lecture slides, text books, and Moodle

page. However, this assessment is to be undertaken as an individual, and is not approved as group work. As per the Student Academic Integrity Policy and Procedure, Section 3.25 "If evidence shows that plagiarism, collusion, cheating or academic misconduct of any kind has occurred, the conduct will be considered a breach of academic integrity." Colluding with other students on non-group work tasks is considered academic misconduct, and will be reported to the Academic Integrity Unit.

### Referencing Style

- [Vancouver](#)

### Submission

Online

### Submission Instructions

Refer to quizzes open and close times and complete via the unit Moodle site. Quiz 1 and Quiz 2 is available through the Assessments Tab.

### Learning Outcomes Assessed

- Apply knowledge of anatomy, physiology and embryology of superficial structures to the sonographic examination.
- Differentiate the clinical appearance, sonographic appearance and aetiology of pathologies of superficial structures.

### Graduate Attributes

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

## 4 Professional Behaviour Assessment and Sonography Lab Documents

### Assessment Type

On-campus Activity

### Task Description

There are **two (2) PARTS** to this assessment: **PART A: Professional Behaviour Assessment** and **PART B: Sonography Lab Documents**

#### **PART A: Professional Behaviour Assessment**

Professionalism and professional behaviour are critical parts of any medically aligned profession, and encompass 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 Medical Sonography course are well-equipped to embody the high standards of professionalism that are expected from CQUniversity students while on their upcoming clinical placements, and as graduate sonographers in their future careers. Developing your professionalism during this unit will prepare you for professional standard expectations in subsequent scanning skill units.

This assessment will require you to treat each of your lab sessions as a scheduled "work shift" and to exhibit professional attitudes to ensure you are prepared to enter the work force with the skills required to provide safe and professional patient care. As such, this assessment is based on assessment of student application and attendance during labs throughout the term.

Expected behaviour and its relevance to the clinical environment is listed in the Professional Behaviour Assessment description. Additionally, please familiarise yourself with the CODE OF CONDUCT in the Lab Manual, as well as the ASAR CODE OF CONDUCT and the CQU CODE OF CONDUCT so that you have a clear understanding of the rationale for, and importance of this assessment. All of these documents are posted on the unit Moodle site for your information. Professionalism extends to colleagues, staff, patients, environment, and equipment.

This assessment is marked against the Professional Behaviour Assessment (PBA) description and incorporates a process of warnings and feedback on expected behaviour of students when in the lab environment. This will commence in week 4 of the term, and apply to activities within the lab. A warning is known as a Lapse in Professionalism (LiP). Up to three LiPs can be received within the unit without adverse consequence. A fourth LiP however will result in the assessment being graded as a fail.

In the event that a LiP point is accrued, written documentation of the reason will be completed by the on-site lecturer or the unit coordinator, and provided to you as feedback. You will have the opportunity to seek further clarification from or

discuss the circumstances of the LiP point from the unit coordinator.

If unprofessional attitude or behaviour is reported by fellow classmates and not witnessed by a staff member, an unofficial warning with formative feedback will be provided in writing detailing the allegation, and your response will be documented.

### **PART B: Sonography Lab Documents**

Assessment 4 'Sonography Lab Documents' encompasses *several* documents which require completion and then submission via the unit Moodle site.

- **Lab Agreement**
- **Consent Form**
- **Skills Lab Manual and Formative Feedback**

You will need to review, sign and upload the 'Lab Agreement' and 'Consent Form' documents as student acknowledgement and consent for scanning in the labs. The 'Skills Lab Manual and Formative Feedback' is a document which outlines professional expectations and records both formative feedback and lab attendance. The 'formative feedback' pages within this document provides an opportunity for students to record constructive feedback, self-reflect and set objectives for future labs. The tutor will also be able to provide constructive feedback on professionalism and technical skills demonstrated through each lab.

You are required to bring in a hard copy or electronic (*preferred*) version of the '**Skills Lab Manual and Formative Feedback**' to every compulsory lab (**Weeks 1 - 7**). You will also be required to bring in all relevant lab material to each compulsory lab, please refer to the Unit Overview for lab material specifications.

### **Assessment Due Date**

Assessment 4A 'Lab Agreement' and Assessment 4B 'Consent Form' are both due by Week 1 Friday 11th March 2022 at 1600 AWST / 1800 AEST / 1900 AEDT. Assessment 4: 'Skills Lab Manual and Formative Feedback' is due by Week 12 Friday 3rd June 2022 at 1600 AWST / 1800 AEST

### **Return Date to Students**

Results will be available on Certification of Grades.

### **Weighting**

Pass/Fail

### **Assessment Criteria**

This is a **PASS/FAIL** assessment item. To PASS this assessment you must pass **both PART A** 'Professional Behaviour Assessment' and **PART B** 'Sonography Lab Documents'.

To PASS the '**Professional Behaviour Assessment**', a maximum of three LiP points can be accrued throughout the term. A fourth LiP will result in the assessment being graded as a fail. This component is marked against the Professional Behaviour Assessment (PBA) description and CODE OF CONDUCT outlined in the 'Skills Lab Manual and Formative Feedback' document.

To PASS the '**Sonography Lab Documents**' component:

- Complete all paperwork accurately and on time.
- Save and upload documents in the PDF format
- Upload documents following the correct naming format
  - Firstname\_Lastname\_Studentnumber\_Name\_of\_document.pdf.
  - (e.g: *Ovini\_Wanigasekera\_123456\_Lab\_Agreement.pdf*)
- Submit documents by the given due date and time.

**Lab Agreement** - due Week 1 Friday 11th March 2022 at 1600 AWST / 1800 AEST / 1900 AEDT

**Consent Form** - due Week 1 Friday 11th March 2022 at 1600 AWST / 1800 AEST / 1900 AEDT

**Skills Lab Manual and Formative Feedback** - due Week 12 Friday 3rd June 2022 at 1600 AWST / 1800 AEST

### **Referencing Style**

- [Vancouver](#)

### **Submission**

Online

### **Submission Instructions**

Please submit each relevant document (with the correct naming convention and PDF format) under the relevant Assessment 4 submission task.

### **Learning Outcomes Assessed**

- Apply the practical skills and critical thinking necessary to perform a sonographic examination of the thyroid.
- Display professional behaviour, teamwork and communication skills and criteria to meet safe sonographic practice

### **Graduate Attributes**

- Communication
- Problem Solving
- Team Work
- Cross Cultural 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