



# MEDS13002 Sonographic Skills Development 2

## Term 1 - 2019

Profile information current as at 09/04/2024 12:14 pm

All details in this unit profile for MEDS13002 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 advances your preparation for the clinical workplace through the development of ultrasound scanning skills in transvaginal female pelvis, lower extremity venous, and carotid ultrasound studies. You are required to demonstrate the skills, knowledge, and professional behaviours needed to work in a clinical setting, and will be assessed within a simulated environment.

#### Details

Career Level: *Undergraduate*

Unit Level: *Level 3*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

#### Pre-requisites or Co-requisites

Prerequisite: MEDS12007 Medical Sonography Clinical Course 1 AND MEDS12006 Ultrasound of Obstetrics and Gynaecology 1 AND Corequisite: MEDS13008 Vascular Sonography

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 - 2019

- 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. **Practical Assessment**

Weighting: Pass/Fail

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

Weighting: Pass/Fail

#### 3. **Practical Assessment**

Weighting: Pass/Fail

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

Weighting: Pass/Fail

#### 5. **Written Assessment**

Weighting: Pass/Fail

#### 6. **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 Have Your Say, student feedback

##### **Feedback**

Based on previous student feedback, the pelvis assessment was moved to the third assessment item - this year, some students liked this format better, whereas some other students commented that they would like it moved back to the first assessment item, as it was easier to do and put behind them.

##### **Recommendation**

The pelvic assessment will remain as the third assessment. By having the carotid assessment as the second assessment, three additional practise times were made possible for carotid practise (including the two in break week) which is the most difficult scan to master. It also meant that students who needed to do a re-sit for the carotid assessment were able to put down their practise times for the Wed and Thurs of week 11.

#### Feedback from Student feedback through term

##### **Feedback**

Some students asked for tick boxes to be added to the Moodle page for easier navigation, and marking off what they had completed.

##### **Recommendation**

Tick boxes were added in week 6, and will continue in 2019 as this made it a lot easier for students to keep track of their own learning and progress through the term.

#### Feedback from Have Your Say

##### **Feedback**

Some students stated that the scanning videos did not match the protocols or ARC tools exactly

##### **Recommendation**

The scanning videos are guides only - they are aimed at allowing students to see how to scan prior to attending labs and having their own hands-on learning with local tutors. Students will continue to be directed to look at the protocol and ARC tool as the marking rubric for how they need to scan in their assessments. Every patient is different, and students need to be able to adapt to their current patient's anatomy and variations.

#### Feedback from Have Your Say, student feedback

##### **Feedback**

Some students felt that it was unfair to have a unit coordinator on another campus have the final decision on whether they failed an assessment or not.

##### **Recommendation**

All fail grades are moderated on campus by at least two tutors before the unit coordinator moderates the assessments. With marks that are either fail grades or differ from the on-campus staff assessments (some passed on UC moderation when failed by on-campus staff in 2018), the unit coordinator communicates with the campus staff before the grades are released to ensure all staff agree and or understand why the final result was made. This ensures consistency across the whole unit and for all students.

## Unit Learning Outcomes

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

1. Apply the practical skills and critical thinking necessary to perform a sonographic examination of a transvaginal female pelvis, the lower extremity veins for DVT, and carotid ultrasound study
2. Critically reflect upon own professional practice utilising constructive feedback
3. Display professional behaviour, teamwork, and communication skills consistent with safe sonographic practice.

Australasian Sonography Association Competency Standards for the Entry Level Sonographer

Units- 1,2,4,5,9,10 & 13

## Alignment of Learning Outcomes, Assessment and Graduate Attributes

 N/A Level	 Introductory Level	 Intermediate Level	 Graduate Level	 Professional Level	 Advanced Level
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### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes		
	1	2	3
1 - Practical Assessment - 0%	•		•
2 - Practical Assessment - 0%	•		•
3 - Practical Assessment - 0%	•		•
4 - Online Quiz(zes) - 0%	•		
5 - Written Assessment - 0%		•	
6 - On-campus Activity - 0%			•

### Alignment of Graduate Attributes to Learning Outcomes

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

### Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Practical Assessment - 0%	•	•	•			•	•	•		
2 - Practical Assessment - 0%	•	•	•			•	•	•		
3 - Practical Assessment - 0%	•	•	•			•	•	•		
4 - Online Quiz(zes) - 0%	•	•		•		•				
5 - Written Assessment - 0%	•	•	•		•			•		
6 - On-campus Activity - 0%	•	•	•		•		•	•		

## Textbooks and Resources

### Textbooks

MEDS13002

#### Prescribed

#### Clinical Doppler Ultrasound

Edition: 3rd (2014)

Authors: Pozniak, M & Allan, P

Elsevier Health Sciences

London , UK

ISBN: 9780702050152

Binding: Hardcover

#### Additional Textbook Information

This is the same textbook you need for Vascular Sonography. Copies can be purchased from the CQUni Bookshop here: <http://bookshop.cqu.edu.au> (search on the Unit code)

[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 card to CQUniversity campus (Melbourne students)
- Access card to the Ultrasound Imaging Lab (Mackay students)
- Access to Philips iSite PACS

## Referencing Style

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

For further information, see the Assessment Tasks.

## Teaching Contacts

**Celia Tinetti** Unit Coordinator

[c.tinetti@cqu.edu.au](mailto:c.tinetti@cqu.edu.au)

## Schedule

### Week 1 - 11 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
		<p><b>Lab Induction:</b> This year, the lab induction will be an online induction with a test afterwards that requires a 100% pass mark.</p> <p><b>**Lab induction is a compulsory component before students can attend the sonography labs in any capacity, including practises**</b></p> <p><b>You will need to bring with you to your first lab either a paper copy or screen shot of your 100% score including your student name in the shot.</b> Failure to have this WH&amp;S component signed off on will result in you not being permitted into labs until this is completed successfully. LiPs apply for non-attendance or lateness to labs due to incomplete Lab Induction.</p>
<b>Mod 1: Lower Extremity Venous for DVT (Tuesday)</b>	<p>Prescribed text:</p> <ul style="list-style-type: none"> <li>• Pozniak (2014): Chapter 1 pg. 1-24; Chapter 5 pg. 94-102</li> </ul> <p>Supplementary text:</p> <ul style="list-style-type: none"> <li>• Curry &amp; Tempkin (2011): Chapter 29 pg. 589-593</li> <li>• Rumack et al. (2011): Chapter 27 pg. 1023-1026</li> </ul>	<p><b>MEL students</b> - the first Monday of term is a public holiday, so you will need to ensure you have completed the lab induction before your first lab on Tuesday 12/3/19.</p> <p><b>Compulsory online Zoom session Monday 11:30am MEL/SYD, 10:30am Qld, 8:30am PER</b> This zoom session covers requirements for the Professional Behaviour assessment, and it is compulsory that all students attend. MEL students - if you absolutely cannot attend, you can watch the recording later, but you need to watch this before your first lab. Students failing to complete either event will incur one Lapse in Professionalism point for each event missed, and will not be allowed in the sonography lab until both are completed.</p> <p><b>Submission of Lab Agreement due Friday 15/3/19 5pm AEDT/4pm Qld time/2pm WA time</b> <b>Submission of Consent Form due Friday 15/3/19 5pm AEDT/4pm Qld time/2pm WA time</b></p>

### Week 2 - 18 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Mod 1: Lower Extremity Venous for DVT	<p>Prescribed text:</p> <ul style="list-style-type: none"> <li>• Pozniak (2014): Chapter 5 pg. 103-114</li> </ul> <p>Supplementary text:</p> <ul style="list-style-type: none"> <li>• Rumack et al. (2011): Chapter 27 pg. 1027-1033</li> </ul>	<p><b>Quiz 1:</b> Opens Tuesday 10am; closes Wednesday 6pm (AEDT). [For Qld times, subtract one hour; for WA times, subtract three hours]</p>

**Week 3 - 25 Mar 2019**

Module/Topic	Chapter	Events and Submissions/Topic
Mod 1: Lower Extremity Venous for DVT		<b>Practical Assessment A - Lower Extremity Venous System for Deep Vein Thrombosis</b> Due: Week 3 Tuesday (26 Mar 2019) 5:00 pm AEST

**Week 4 - 01 Apr 2019**

Module/Topic	Chapter	Events and Submissions/Topic
<b>Mod 2: Carotid Ultrasound</b>	Prescribed text: • Pozniak (2014): Chapter 2 pg. 26-37; Chapter 3 pg. 39-50 Supplementary text: • Rumack et al. (2011): Chapter 25 pg. 957-991	<b>Quiz 2:</b> Opens Tuesday 10am; closes Wednesday 6pm (AEDT). [For Qld times, subtract one hour; for WA times, subtract three hours]

**Week 5 - 08 Apr 2019**

Module/Topic	Chapter	Events and Submissions/Topic
Mod 2: Carotid Ultrasound	Prescribed text: • Pozniak (2014): Chapter 3 pg. 50-66	

**Break Week - 15 Apr 2019**

Module/Topic	Chapter	Events and Submissions/Topic
<b>ENJOY YOUR BREAK!</b>		<b>NOTE:</b> Third year unmanned practises are on Monday, Tuesday, and Wednesday this week - please schedule on Googledocs. If you prefer to attend campus for one or two days only, you can organise with another student to swap sessions. This has to be by mutual agreement ONLY - please comment on Googledocs who you have swapped your scanning session with. PLEASE remember, you need to leave equal time to be the patient and the scanner!

**Week 6 - 22 Apr 2019**

Module/Topic	Chapter	Events and Submissions/Topic
Mod 2: Carotid Ultrasound	Supplementary text: • Oates, CP, Naylor, AR, Hartshorne, T, Charles, SM, Fail, T, Humphries, K, Aslam, M, Khodabakhsh P 2009, 'Joint Recommendations for Reporting Carotid Ultrasound Investigations in the United Kingdom', <i>European Journal of Vascular and Endovascular Surgery</i>	<i>The mock assessment for the carotid skills test will be held in this week's lab</i>

**Week 7 - 29 Apr 2019**

Module/Topic	Chapter	Events and Submissions/Topic
Mod 2: Carotid Ultrasound		<b>Practical Assessment B - Carotid Study</b> Due: Week 7 Tuesday (30 Apr 2019) 5:00 pm AEST

**Week 8 - 06 May 2019**

Module/Topic	Chapter	Events and Submissions/Topic
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**Mod 3: Transvaginal Female Pelvis**

Supplementary text:  
• Curry & Tempkin (2011): Chapter 19 pg. 325-349  
• Rumack et al. (2011): Chapter 15 pg. 547-548, 550-552

**Quiz 3:** Opens Tuesday 10am; closes Wednesday 6pm (AEST).  
[For WA times, subtract two hours]

**Online Quizzes** Due: Week 8  
Wednesday (8 May 2019) 6:00 pm AEST

**Week 9 - 13 May 2019**

Module/Topic	Chapter	Events and Submissions/Topic
Mod 3: Transvaginal Female Pelvis	Supplementary text: • Curry & Tempkin (2011): Chapter 19 pg. 372-373	<b>NO LAB THIS WEEK</b> - 1st Year Residential School  <u>Re-sit practises for LE Venous and Carotid begin this Friday</u> - please book on Googledocs

**Week 10 - 20 May 2019**

Module/Topic	Chapter	Events and Submissions/Topic
Mod 3: Transvaginal Female Pelvis	Supplementary text: • Rumack et al. (2011): Chapter 15 pg. 552-571, 576-595	<u>Re-sit practises for LE Venous and Carotid this Friday</u> - please book on Googledocs.

**Week 11 - 27 May 2019**

Module/Topic	Chapter	Events and Submissions/Topic
Mod 3: Transvaginal Female Pelvis		<u>Re-sit practises for LE Venous and Carotid this Wednesday</u> - please book on Googledocs <u>Re-sit practises for TV Pelvis this Friday</u> - please book on Googledocs; PER students double practise times due to public holiday next Monday.  <b>Practical Assessment C - Transvaginal Female Pelvis Study</b> Due: Week 11 Tuesday (28 May 2019) 5:00 pm AEST

**Week 12 - 03 Jun 2019**

Module/Topic	Chapter	Events and Submissions/Topic
All re-sit practical skills assessments	To be held on Tuesday and Wednesday - all students to be available for patient pool from Monday to Wednesday inclusive.	<u>Re-sit practises for TV Pelvis Monday</u> - please book on Googledocs; PER public holiday  <b>All Re-sit Practical Skills Assessments</b>  <b>Written Assessment</b> Due: Week 12 Friday (7 June 2019) 5:00 pm AEST <b>Professional Behaviour Assessment</b> Due: Week 12 Friday (7 June 2019) 5:00 pm AEST

**Review/Exam Week - 10 Jun 2019**

Module/Topic	Chapter	Events and Submissions/Topic
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**Exam Week - 17 Jun 2019**

Module/Topic

Chapter

Events and Submissions/Topic

## Term Specific Information

The unit coordinator for 2019 is Celia Tinetti. Celia can be reached at [c.tinetti@cqu.edu.au](mailto:c.tinetti@cqu.edu.au) or by phone on **03 9616 0528**.

This is a non-graded, pass/fail unit. Please be aware the updated Assessment Policy and Procedure (Higher Education Coursework) states: '4.41 Students who fail a single assessment in a pass/fail unit or a pass/fail component in a graded unit will be deemed to have failed that unit, unless the unit profile includes provision for students to re-attempt a failed assessment task and the student passes the re-attempted assessment'. Please be aware that this unit is scheduled to run once a year only - the next delivery will be in Term 1, 2020. 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. The full documents for Assessment Policy and Procedure (Higher Education Coursework) and Grades and Results Procedure can be accessed on the [CQUni IMPortal](http://www.cqu.edu.au/policy) <http://www.cqu.edu.au/policy>.

**Attendance at all skills labs for this unit is mandatory - this includes three practical assessment days and re-sit practical assessments if needed.** Skills labs are held on Tuesdays; re-sit assessments if required will be on either Tuesday or Wednesday of week 12. You must notify the unit coordinator and local lab staff (phone, email, text) **before** the start of compulsory labs if you are unable to attend or anticipate being late; this includes practical assessment days. Labs missed for a valid reason require supporting documentation, and you are advised to contact the unit coordinator to organise time to make up for the missed scanning time during practise sessions. Any lab missed without valid reason, supporting documentation, and prior notice or approval, or being late to labs more than twice will warrant a Lapse in Professionalism point (see assessment 6 for more information on Lapses in Professionalism).

Acceptable reasons for adjusting assessment for exceptional circumstances are articulated in the CQUniversity Assessment Policy and Procedure (HE Coursework), section 5.17, and are applicable for practical skills assessments, quizzes, and written assessment components.

*Students may request an adjustment to their assessment if their ability to prepare for, complete, submit or attend assessment was or will be significantly impacted by exceptional circumstances beyond their control due to:*

- a) disability as defined in the Disability Policy (for advice contact the Inclusion and Accessibility Service)
- b) medical or health-related condition (e.g. serious or debilitating illness or injury; hospitalisation; giving or recently given birth; mental health illness or condition) (for advice contact the Inclusion and Accessibility Service)
- c) hardship or trauma (e.g. recent victim of crime, serious accident or other critical incident; sudden loss of income, employment or accommodation; severe disruption to domestic arrangements or family relationship breakdown)
- d) compassionate circumstances (e.g. death of a family member or close friend; severe disruption to domestic arrangements or family relationship breakdown; unexpected carer responsibilities; life-threatening illness of a family member; severe financial difficulty)
- e) unavoidable commitment that by its nature cannot be rescheduled (e.g. work commitments, primary carer responsibilities, jury service, approved activities away from campus or normal residence such as study overseas or work placements; cultural or religious obligations; state, national, international or other commitments requiring the student's participation including those stated in 5.18 below).

You **must** notify staff **before** beginning scanning on any day (compulsory labs, manned practise, unmanned practise, and practical skills assessments) if you are injured or ill, just like you would be required to do when working with patients and other healthcare team members. 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, you will need to provide acceptable medical documentation for your absence as described above. If you cannot attend a practical skills assessment on the scheduled day due to illness or injury and have provided acceptable medical documentation, the unit coordinator will arrange for the practical skills assessment to be undertaken at another time.

There is one manned practise and one unmanned practise most weeks of the term - these are not compulsory but have been found to be necessary to ensure enough practise to pass the practical skills assessments. If you are unable to attend an unmanned practise session (scheduled on Googledocs with your peers as patients/scanners), you need to give

your partner in these sessions as much notice as possible. This applies if you are running late as well. Professional behaviour is expected in labs and in association with this unit at all times - please see Assessment 6 for further information.

**There is a compulsory online WH&S Lab Induction - this must be completed before you can attend the sonography labs in any capacity** (labs, manned practise, or unmanned practise) and failure to complete the lab induction will incur a Lapse in Professionalism point. It is your responsibility to complete the induction, and no labs may be attended until this is completed.

Please pay close attention to the lab schedule for this unit. You are required to adhere to the Sonography Labs Dress Code at all times when using the ultrasound simulation labs, including unmanned practises, and the CQU 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 points and potentially being asked to leave the lab (if in unsuitable or unsafe attire). The unit is preparation for clinical placement, where it is a requirement to wear the correct uniform and to look like a medical professional at all times. This also includes removing facial piercings, having long hair tied back and away from your face, short neat nails with natural coloured polish if any, and not wearing perfumes - these are not acceptable while on clinical placement (some people react strongly to perfumes).

Important: You must be available Monday to Wednesday of week 12 for re-sits or to be a patient for the practical re-sits. Re-examinations for all practical assessments will take place in week 12.

In regard to assessment 4, the three quizzes will be held in weeks 2, 4, and 8, and are open for 32 hours for you to complete them, from 10am AEDT Tuesday to 6pm AEDT Wednesday. In the event that you are unable to complete the quiz in the allocated time and have suitable medical documentation for exceptional circumstances as discussed above, you need to notify the unit coordinator by phone before the end of the quiz (Wednesday 6pm AEST) to be granted an extension to the quiz time.

In regard to assessment 6, **there is a compulsory online Zoom session on Monday 11th March 2019**. This session will go over the Professional Behaviour Assessment to articulate professional behaviour marking criteria and the consequences of exemplary, satisfactory, and unsatisfactory performance. Failure to attend will incur a Lapse in Professionalism point.

## Assessment Tasks

### 1 Practical Assessment A - Lower Extremity Venous System for Deep Vein Thrombosis

#### Assessment Type

Practical Assessment

#### Task Description

This is a PASS/FAIL assessment. This assessment requires students to perform a unilateral lower extremity venous study for deep vein thrombosis (DVT), including professional (pre-scan, during, and post-scan) and technical (scanning) requirements that are discussed in the unit lab manual, instructed labs, lectures, and tutorials. These are outlined as follows:

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

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

Technical (scanning) requirements for a unilateral DVT study:

- Students are required to perform routine sonographic scanning techniques, image optimisation, and acquisition, in a reasonable time period to advanced beginner level. A scanning time limit of 30 mins is applied to this assessment.

Students will be assessed using the 'assessment of readiness for clinical' (ARC) tool, which is available on the unit Moodle site.

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 the student has failed only the professional component, the full assessment will be repeated, but the student will only

be marked on the professional component. There is only ONE opportunity to re-sit either component of the assessment item.

Please carefully review the assessment information and ARC tool posted on the unit Moodle site.

**Assessment Due Date**

Week 3 Tuesday (26 Mar 2019) 5:00 pm AEST

SKILLS TEST: WEEK 3. Re-sits will be in Week 12.

**Return Date to Students**

Week 5 Tuesday (9 Apr 2019)

Students will be given a pass/fail result within 10 working days. Individual marks will not be released to students.

**Weighting**

Pass/Fail

**Minimum mark or grade**

70%

**Assessment Criteria**

The criteria to receive a 'Pass' are as follows:

A pass rate of 70% of available marks in both the technical and professional components and all bolded points in the professional component must be achieved in order to pass the assessment.

Re-evaluation options:

In the event that a student does not achieve a minimum of 70% or higher or fails one of the bolded items in the professional component of the ARC tool, they will be given ONE opportunity to re-sit the technical and/or professional component/s in week 12. These will be conducted by a different assessor to that of the first assessment for this module. If the student has failed only the professional component, the full assessment will be repeated, but the student will only be marked on the professional component.

Please be aware that all 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**

- Apply the practical skills and critical thinking necessary to perform a sonographic examination of a transvaginal female pelvis, the lower extremity veins for DVT, and carotid ultrasound study
- Display professional behaviour, teamwork, and communication skills consistent with safe sonographic practice.

**Graduate Attributes**

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

## 2 Practical Assessment B - Carotid Study

**Assessment Type**

Practical Assessment

**Task Description**

This is a PASS/FAIL assessment. This assessment requires students to perform a unilateral carotid Doppler, including professional (pre-scan, during, and post-scan) and technical (scanning) requirements that are discussed in the unit lab manual, instructed labs, lectures, and tutorials. These are outlined as follows:

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

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

Technical (scanning) requirements for a unilateral carotid Doppler study:

- Students are required to perform routine sonographic scanning techniques, image optimisation, and acquisition, in a reasonable time period to advanced beginner level. A scanning time limit of 30 mins is applied to this assessment.

Students will be assessed using the 'assessment of readiness for clinical' (ARC) tool, which is available on the unit Moodle page.

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 the student has failed only the professional component, the full assessment will be repeated, but the student will only be marked on the professional component. There is only ONE opportunity to re-sit either component of the assessment item.

Please carefully review the assessment information and ARC tool posted on the unit Moodle site.

#### **Assessment Due Date**

Week 7 Tuesday (30 Apr 2019) 5:00 pm AEST

SKILLS TEST: WEEK 7. Re-sits will be in Week 12.

#### **Return Date to Students**

Week 9 Tuesday (14 May 2019)

Students will be given a pass/fail result within 10 working days. Individual marks will not be released to students.

#### **Weighting**

Pass/Fail

#### **Minimum mark or grade**

70%

#### **Assessment Criteria**

The criteria to receive a 'Pass' are as follows:

A pass rate of 70% of available marks in both the technical and professional components and all bolded points in the professional component must be achieved in order to pass the assessment.

Re-evaluation options:

In the event that a student does not achieve a minimum of 70% or higher or fails one of the bolded items in the professional component of the ARC tool, they will be given ONE opportunity to re-sit the technical and/or professional component/s in week 12. These will be conducted by a different assessor to that of the first assessment for this module. If the student has failed only the professional component, the full assessment will be repeated, but the student will only be marked on the professional component.

Please be aware that all practical skills 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**

- Apply the practical skills and critical thinking necessary to perform a sonographic examination of a transvaginal female pelvis, the lower extremity veins for DVT, and carotid ultrasound study
- Display professional behaviour, teamwork, and communication skills consistent with safe sonographic practice.

#### **Graduate Attributes**

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

## **3 Practical Assessment C - Transvaginal Female Pelvis Study**

#### **Assessment Type**

Practical Assessment

#### **Task Description**

This is a PASS/FAIL assessment. This assessment requires students to perform a transvaginal female pelvic exam on a sonographic phantom, including professional (pre-scan, during, and post-scan) and technical (scanning) requirements

that are discussed in the unit lab manual, instructed labs, lectures, and tutorials. These are outlined as follows:  
Professional (pre-scan, during, and post-scan) requirements:

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

Technical (scanning) requirements for the transvaginal female pelvis:

- Students are required to perform routine sonographic scanning techniques, image optimisation, and acquisition, in a reasonable time period to advanced beginner level. A scanning time limit of 25 mins is applied to this assessment.

Students will be assessed using the 'assessment of readiness for clinical' (ARC) tool, which is available on the unit Moodle site.

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 the student has failed only the professional component, the full assessment will be repeated, but the student will only be marked on the professional component. There is only ONE opportunity to re-sit either component of the assessment item.

Please carefully review the assessment information and ARC tool posted on the unit Moodle site.

### **Assessment Due Date**

Week 11 Tuesday (28 May 2019) 5:00 pm AEST

SKILLS TEST: WEEK 11. Re-sits will be in Week 12.

### **Return Date to Students**

Week 11 Thursday (30 May 2019)

Students will be given a pass/fail result within 48 hours to allow for re-sits the following week. Individual marks will not be released to students.

### **Weighting**

Pass/Fail

### **Minimum mark or grade**

70%

### **Assessment Criteria**

The criteria to receive a 'Pass' are as follows:

A pass rate of 70% of available marks in both the technical and professional components and all bolded points in the professional component must be achieved in order to pass the assessment.

Re-evaluation options:

In the event that a student does not achieve a minimum of 70% or higher or fails one of the bolded items in the professional component of the ARC tool, they will be given ONE opportunity to re-sit the technical and/or professional component/s in week 12. These will be conducted by a different assessor to that of the first assessment for this module. If the student has failed only the professional component, the full assessment will be repeated, but the student will only be marked on the professional component.

Please be aware that all 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**

- Apply the practical skills and critical thinking necessary to perform a sonographic examination of a transvaginal female pelvis, the lower extremity veins for DVT, and carotid ultrasound study
- Display professional behaviour, teamwork, and communication skills consistent with safe sonographic practice.

### **Graduate Attributes**

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

- Ethical practice

## 4 Online Quizzes

### Assessment Type

Online Quiz(zes)

### Task Description

- There will be **three** separate online quizzes which will be held in weeks 2, 4, and 8. Once available, quizzes are open for 32 hours (i.e. open at 10am on Tuesday and close Wednesday at 6pm Melbourne time - AEDT for weeks 2 & 4, and AEST for week 8).
- The content of these quizzes will be anatomy and sonographic protocol and technique for each module, and may include expected prior knowledge relevant to that module. The purpose of these quizzes is to ensure preparation prior to the first lab in each scanning module.
- 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** - please see below for further details.
- You are allowed **one** attempt at each quiz so please ensure you are prepared beforehand.
- Once the quiz has commenced, approximately 1 minute per question will be given - for example, a 20 question quiz would be given a time limit of 20 minutes to complete. This is subject to change at the discretion of the unit coordinator based on the content of the pool of questions.
- These assessment tasks must be completed on or before the due dates listed.
- No late submissions are permitted after each quiz has closed so please ensure adequate time for completion, with additional time for computer mishaps. If you have computer / quiz access difficulties, you need to contact TaSAC as soon as possible for assistance, and the unit coordinator (after you've contacted TaSAC) if you cannot complete the quiz in the allocated time before the end of the quiz (Wednesday 6pm Melbourne time).
- In the event that you are unable to complete the quiz in the allocated time and have suitable medical documentation for exceptional circumstances as discussed under Term Specific Information in this Unit Profile, you need to notify the unit coordinator **by phone** before the end of the quiz (Wednesday 6pm Melbourne time) to be granted an extension to the quiz time.
- In the absence of an approved extension, there will be no opportunity to complete a quiz after it has closed.
- **PLEASE NOTE: Students must achieve a cumulative score of 70% across the three quizzes to pass this assessment - failure to complete one quiz means a maximum possible cumulative score of 66.7% = a FAIL for the quiz assessment and a fail grade for MEDS13002.**

Quiz dates and topics are as follows:

Week	Date	Quiz #	Topic
2	19/3/19	1	Lower Extremity Venous
4	2/4/19	2	Carotid Study
8	7/5/19	3	Transvaginal Female Pelvis

### Number of Quizzes

3

### Frequency of Quizzes

Other

### Assessment Due Date

Week 8 Wednesday (8 May 2019) 6:00 pm AEST

A new quiz will open in weeks 2, 4, and 8 on Tuesday at 10am AEDT (AEST for week 8). Each quiz must be completed by 6pm AEDT (AEST for week 8) the following day (Wednesday in weeks 2, 4, & 8)

### Return Date to Students

Students will receive their score once all students have completed the quiz

### Weighting

Pass/Fail

### Minimum mark or grade

70% cumulatively

### Assessment Criteria

Answers will either be correct or incorrect and tabulated by the unit's online Moodle system. Students will receive their score for each quiz once all students have completed that quiz.

Students must achieve a **cumulative** pass rate of 70% across the three quizzes to pass this assessment.

As per Assessment of Coursework Procedures (Section 3 Assessment Extensions), item 5.5, "For some assessments, it

may not be appropriate to apply a late penalty. Such assessments will receive a mark of zero if not completed by or on the specified date. Examples are: b) online quizzes where answers are released to students on completion."

**PLEASE NOTE: Failure to complete one quiz means a maximum possible cumulative score of 66.7% = a FAIL grade for this assessment item and a fail grade for MEDS13002.**

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. As per the Academic Misconduct Procedure document, section 5.1, cheating is defined as "fraud, dishonesty or deceit of any kind in relation to an academic assessment. Examples include: a) contract cheating, such as paying a company or person or asking a friend to write a paper or attend an exam, whether for payment or not (see contract cheating), b) copying or attempting to copy from other students in either an examination or assessment; g) colluding with other students in individual assessments; h) allowing others to provide you with any material that give you an unfair advantage in an assessment, including contract cheating; and j) completing an assessment for another person or having another person assisting in the completion of your assessment." Colluding with other students on non-group work tasks is considered academic misconduct, and will be reported to the Deputy Dean of Learning and Teaching (HMAS).

### Referencing Style

- [Vancouver](#)

### Submission

Online

### Learning Outcomes Assessed

- Apply the practical skills and critical thinking necessary to perform a sonographic examination of a transvaginal female pelvis, the lower extremity veins for DVT, and carotid ultrasound study

### Graduate Attributes

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

## 5 Written Assessment

### Assessment Type

Written Assessment

### Task Description

This assessment will require you to complete the documentation set forth in your MEDS13002 SSD2 Lab Manual. This includes:

- A signed Lab Agreement and Consent Form - Sonographic Examination for Teaching Purposes to be uploaded in week 1; Friday 15th March 2019 by 5pm AEDT
- 7 Completed Formative Feedback Forms to be uploaded in week 12; Friday 7th June 2019 by 5pm AEST
- Completed Scan Lab Attendance Record to be uploaded in week 12; Friday 7th June 2019 by 5pm AEST

**Uploaded documentation needs to be in pdf format only. Please ensure your surname, first name, student number, and name of what you are uploading is used in the title of the document, separated by either underscores or single spaces.**

i.e. Celia\_Tinetti\_s0123456\_lab\_agreement.pdf or Celia Tinetti s0123456 lab agreement.pdf.

This assessment includes completion of a "TV Female Pelvis Worksheet" with a minimum mark of 70%. This will be completed just before the TV Female Pelvis practical skills assessment in week 11, with some information required from the "patient".

The purpose of this assessment is to prepare you for the professionalism and documentation responsibilities you will have on clinical placement, as well as to develop self-reflection skills by setting weekly goals and following-up on your progress. When working clinically, patients and physicians rely on quick, efficient, and complete documentation to issue treatment.

This assessment also ties in with the Professional Behaviour Assessment. You are required to complete your Formative Feedback Forms **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 tutor. Failure to do this will result in a LiP point. You must upload all required documentation for this assessment by the due date and time to obtain a 'pass'. If you do not have all lab days signed off on your Lab Attendance, you will need to write in the reason for this (i.e. sick, didn't get signed - LiP issued, etc.); however, all forms in this assessment must be completed accurately and either signed off or an explanation given to pass this assessment.



### Assessment Due Date

Week 12 Friday (7 June 2019) 5:00 pm AEST

You will be required to upload Lab Agreement and Consent Form in week 1; in pdf format. You will be required to upload all 7 of your Formative Feedback Forms, your Scan Lab Record Attendance Sheet, and your cover page in week 12; all in pdf format.

### Return Date to Students

Exam Week Friday (21 June 2019)

A Pass/Fail grade will appear in gradebooks within 10 working days after due date in week 12.

### Weighting

Pass/Fail

### Minimum mark or grade

All lab manual documentation must be completed correctly and uploaded on time

### Assessment Criteria

**Please ensure you check times and deadlines for submissions, and that all paperwork is completed correctly and accurately, including uploading in the required format.** Failure to do so will result in a fail mark for that assessment component.

This is a pass/fail assessment task - a fail grade for any component of a pass/fail assessment task will result in a fail grade for the whole assessment task. As this is a pass/fail unit, all components need to be passed to pass this unit. Students will be given a **maximum of two attempts** to upload each item correctly to receive a passing grade for that component. Failure to demonstrate an understanding of the requirements on the second attempt will result in a fail grade for this assessment. As sonographers, it is important for you to both understand and comply with requirements regarding paperwork and documentation.

For the worksheet component of this assessment task, a pass rate of 70% of available marks must be achieved in order to pass this assessment.

Re-evaluation option:

In the event that a student does not achieve a minimum of 70% or higher in the worksheet component, they will be given ONE opportunity to re-sit the worksheet component in week 12.

### Referencing Style

- [Vancouver](#)

### Submission

Online

### Learning Outcomes Assessed

- Critically reflect upon own professional practice utilising constructive feedback

### Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Team Work
- Ethical practice

## 6 Professional Behaviour Assessment

### Assessment Type

On-campus Activity

### Task Description

Professionalism and professional behaviour are critical parts of any medical imaging 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 sonographers in their future careers. 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 professionalism. As such, this assessment is based on continuous and ongoing assessment of student application and attendance during labs and throughout the term. **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 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, a pass in all assessment items is required to pass this 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.

Expected behaviour and its relevance to the clinical environment is listed under the *Assessment 6: Professional Behaviour Assessment Description* on the unit Moodle site. You must review this information and be aware of what is expected of you for this unit. Please be aware that having your Formative Feedback Forms signed after your lab day by not bringing them to lab would have consequences in departments in a clinical setting and will warrant a LiP. 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. *It is very important that you 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**. 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. This excludes lack of professionalism displayed in the use of the Googledocs practise system, where the unit coordinator is able to access details of when practises are booked or changed.

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.**

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**Note:** *As a reward for demonstrating the professional behaviour we expect in our students, the names of students who get full marks for this assessment are given to clinical academics and clinical placement sites as students who have displayed exemplary professional behaviour throughout the term.*

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There is a **compulsory online Zoom session on Monday 11th March 2018 at 11:30am for Melbourne and Sydney students, 10:30am for Queensland students, and 9:30am for Perth students** regarding requirements for this assessment task. Failure to attend will incur a Lapse in Professionalism point.

#### **Assessment Due Date**

Week 12 Friday (7 June 2019) 5:00 pm AEST

Professional behaviour needs to be demonstrated through the whole term; this assessment extends over the entire term.

#### **Return Date to Students**

Exam Week Friday (21 June 2019)

A Pass/Fail grade will be uploaded to Gradebooks within 10 working days of due date.

#### **Weighting**

Pass/Fail

#### **Minimum mark or grade**

Less than four LiP points

#### **Assessment Criteria**

Pass/fail assessment.

When a LiP point is given, it will be discussed between the student and either the on-site lecturer or the unit coordinator. Written documentation explaining the reason for the issued LiP will be signed by the on-site lecturer or the unit coordinator, and sent to the student via email.

A maximum of THREE LiP points can be obtained to pass this unit - any more than three and the assessment is graded as a FAIL.

#### **Referencing Style**

- [Vancouver](#)

## Submission

Offline

## Learning Outcomes Assessed

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

## Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- 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