



MEDS12004 Sonographic Skills Development 1

Term 2 - 2019

Profile information current as at 05/05/2024 05:06 am

All details in this unit profile for MEDS12004 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 prepares you for the clinical workplace through the development of skills in scanning techniques for the abdomen and transabdominal female pelvis. You will be required to demonstrate the skills, knowledge and professional behaviours needed to work in a clinical setting, and will be assessed within a simulated environment. This unit prepares you for entry into the clinical environment using the Assessment of Readiness for Clinical tool (ARC) in conjunction with other assessment tasks. Condition: Continued enrolment in MEDS12004 is conditional upon passing any outstanding assessment pieces in MEDS12001 and MEDS12002 and MEDS12003. The opportunities to repeat this quota based unit are limited and may require relocation to another campus, as determined by the discipline lead .

Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: 12

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.25

Pre-requisites or Co-requisites

Pre-requisites: MEDS12003 Superficial Structures in Ultrasound AND MEDS12002 - Abdominal Ultrasound AND

MEDS12001 Physics of Ultrasound Co-requisites: MEDS12006 Ultrasound in Obstetrics and Gynaecology 1 Condition:

Continued enrolment in MEDS12004 is conditional upon passing any outstanding assessment pieces in MEDS12001 and MEDS12002 and MEDS12003.

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

Offerings For Term 2 - 2019

- Brisbane
- 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 12-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 25 hours of study per week, making a total of 300 hours for the unit.

Class Timetable

[Regional Campuses](#)

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

[Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

1. **Practical Assessment**

Weighting: Pass/Fail

2. **Practical Assessment**

Weighting: Pass/Fail

3. **Online Quiz(zes)**

Weighting: Pass/Fail

4. **Written Assessment**

Weighting: Pass/Fail

5. **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 Student feedback

Feedback

Some students asked that the ARC tool and the scanning video guides match the protocol exactly, including the order in which the whole abdo video is done in.

Recommendation

The UC will re-record all scanning videos and go over the ARC tool to ensure alignment with the protocol for 2019. However, it should be noted that the videos are to be treated as guides - there may be slight variations in it, just as there would be with different patient scans.

Feedback from Student feedback

Feedback

A couple of students expressed confusion regarding requirements for the Image Portfolio.

Recommendation

The Image Portfolio was a new assessment item this year and had a couple of minor teething issues. The unit coordinator will go over this assessment item, ensuring all instructions are clearer for students in 2019.

Feedback from Student feedback

Feedback

Some students found it difficult to identify documents on the unit Moodle page that described requirements for the labeling of uploaded files for the Written Assessment.

Recommendation

Students are required to read and sign a Lab Agreement at the beginning of term. This document goes through all requirements for each assessment and directs students where they can find additional information regarding assessment descriptions. This will be made more apparent to students in 2019 to avoid confusion of where information can be found.

Feedback from Student feedback

Feedback

Students reported discrepancies between what was taught by individual tutors and the UC.

Recommendation

Tutors attended compulsory training before the start of term as well as midway through, and this will continue in 2019. While this does happen, all tutors are individuals and do have their own way of explaining and teaching outside of the simulation labs, and may need reminding of why it is important for them to teach these protocols specific ways. Students will again be encouraged to notify the unit coordinator of any discrepancies they are encountering with tutors.

Feedback from Student Feedback

Feedback

Students requested after hours access to scanning labs

Recommendation

This was found to be not feasible - equity to all students on all campuses is paramount, so we can only allow practices to happen when all campuses can be accommodated. Some campuses do not open on weekends, so this is not feasible.

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 abdominal and female pelvic organs
2. Differentiate the variants of normal sonographic appearances of abdominal and female pelvic organs
3. Critically reflect upon own professional practice utilizing constructive feedback
4. Display professional behaviour, teamwork and communication skills and criteria to meet safe sonographic practice

Australasian Sonography Association Competency Standards for the Entry Level Sonographer

Units: 1,2,4,5,6 & 10

Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

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

Alignment of Graduate Attributes to Learning Outcomes

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

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

Textbooks and Resources

Textbooks

MEDS12004

Prescribed

Practical Ultrasound: an illustrated guide

Edition: 2nd (2013)

Authors: Jane Alty & Edward Hoey

CRC Press

Australia

Binding: Hardcover

MEDS12004

Prescribed

Sonography: Introduction to Normal Structure and Function

Edition: 4th (2016)

Authors: Arnez Curry, R & Bates Tempkin, B

Elsevier Health Sciences

St. Louis , MS , USA

Binding: Hardcover

MEDS12004

Prescribed

Textbook of Diagnostic Sonography

Edition: 8th (2017)

Authors: Hagen-Ansert

Elsevier

Torrey Pines , CA , USA

ISBN: 9780323353755

Binding: Hardcover

MEDS12004

Prescribed

Workbook and Lab Manual for Sonography: Introduction to Normal Structure and Function

Edition: 4th (2016)

Authors: Arnez Curry, R & Bates Tempkin, B

Elsevier Health Sciences

St. Louis , MS , USA

Binding: Hardcover

Additional Textbook Information

Textbook is available as ebook as well. Either version is fine. Textbook will be used by multiple units throughout the duration of the course.

Both paper and eBooks can be purchased at 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)
- Philips iSite PACS System
- Access card to CQUniversity campus (Perth students)

Referencing Style

All submissions for this unit must use the referencing style: [Vancouver](#)
For further information, see the Assessment Tasks.

Teaching Contacts

Jane Wardle Unit Coordinator
j.wardle@cqu.edu.au

Celia Tinetti Unit Coordinator
c.tinetti@cqu.edu.au

Schedule

Week 1 - 15 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
Orientation to the unit Bladder and Prostate Transabdominal Female Pelvis	Curry and Tempkin Ch 21 pp 317-323 Curry and Tempkin Ch 21 pp 341-365, 369-389 Alty & Hoey (2013) Ch 10 pp 149-157, pp 162-170	Compulsory On-Campus Lab Induction on Monday 15th July for students with this as their first lab unit in 2019; requirements need to be submitted online before 5pm AEST/3pm WA time on Monday 15th July 2019 - WH&S requirement that the lab induction is completed before students can attend labs in any capacity. Compulsory online Zoom session Monday 15th July 2019 at 11am AEST/9am WA time regarding Assessment 5 Professional Behaviour Submission of Lab Agreement by Friday 19th July 2019 at 5pm AEST / 3pm WA time. Submission of Consent form (only for students with this as their first lab unit in 2019) by Friday 19th July 2019 at 5pm AEST / 3pm WA time.

Week 2 - 22 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
Transabdominal Female Pelvis Aorta/IVC	Curry and Tempkin Ch 21 pp 341-365, 369-389 Alty & Hoey (2013) Ch 10 pp 149-157, pp 162-170 Curry and Tempkin Ch 10 & Ch 11 Alty & Hoey (2013) Ch 1, 2, 5 Alty & Hoey (2013) Ch 3 pp 7-11	

Week 3 - 29 Jul 2019

Module/Topic	Chapter	Events and Submissions/Topic
Liver	Curry and Tempkin Ch 14 Alty & Hoey (2013) Ch 3 pp 28-37	Quiz 1 Opens Tuesday 1100 AEST. Closes Thursday 1800AEST Online Quiz(zes) Due: Week 3 Tuesday (30 July 2019) 11:00 am AEST

Week 4 - 05 Aug 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Liver	Curry and Tempkin Ch 14 Alty & Hoey (2013) Ch 3 pp 28-37	Thursday Liver Skills Test
Week 5 - 12 Aug 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Porta Hepatis	Curry and Tempkin Ch 13 and 15 Alty & Hoey (2013) Ch 3 pp 40-41	
Gallbladder	Curry and Tempkin Ch 15 and 16	
Vacation Week - 19 Aug 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Week 6 - 26 Aug 2019		
Module/Topic	Chapter	Events and Submissions/Topic
	Alty & Hoey (2013) Ch 3 pp 38-45	
Pancreas Kidneys	Curry and Tempkin Ch 17 Alty & Hoey (2013) Ch 4 pp 49-53, 62-73	Written and Practical Assessment - The Pelvis Due: Week 6 Wednesday (28 Aug 2019) 5:00 pm AEST
Week 7 - 02 Sep 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Kidneys	Curry and Tempkin Ch 17 Alty & Hoey (2013) Ch 4 pp 49-53, 62-73	
Week 8 - 09 Sep 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Spleen	Curry and Tempkin Ch 18	
Whole protocol	Alty & Hoey (2013) Ch 3 pp 46-47	
Week 9 - 16 Sep 2019		
Module/Topic	Chapter	Events and Submissions/Topic
Full Abdomen Protocol		Thursday Mocks Skills test Quiz 2 (Opens Tuesday 11am AEST/8am WA time, closes Wednesday 6pm AEST/4pm WA time.)
Week 10 - 23 Sep 2019		
Module/Topic	Chapter	Events and Submissions/Topic
No new content		Skills test Scanning Skills Test Due: Week 10 Tuesday (24 Sept 2019) 8:30 am AEST
Week 11 - 30 Sep 2019		
Module/Topic	Chapter	Events and Submissions/Topic
No new content		Re-sit practises - Tuesday to Friday
Week 12 - 07 Oct 2019		
Module/Topic	Chapter	Events and Submissions/Topic
No new content		Re-sits: Liver and Full Abdomen Practical Skills Assessment Professional Behaviour Assessment Due: Week 12 Thursday (10 Oct 2019) 5:00 pm AEST

Review/Exam Week - 14 Oct 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Exam Week - 21 Oct 2019

Module/Topic	Chapter	Events and Submissions/Topic
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Term Specific Information

Unit coordinator for Term 2, 2019 is Jane Wardle. Jane can be reached at j.wardle@cqu.edu.au or by phone on 07 3023 4200.

Grading of this unit:

This is a non-graded, pass/fail unit. Please be aware the updated Assessment Policy and Procedure (Higher Education Coursework) states: '4.36 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 note that this unit is scheduled to run once a year only - the next delivery will be in Term 2, 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 <https://www.cqu.edu.au/policy>.

Attendance:

Attendance at all skills labs for this unit are mandatory - this includes practical assessment days and re-sit practical assessments if needed. Skills labs are held on Tuesdays and Thursday; re-sit assessments if required will be on either Wednesday or Thursday of week 12. Please note, week 10 has a slight change to all other weeks. In week 10, Skills lab will be Monday and manned practise on Tuesday. 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). If you cannot attend a practical skills assessment on the scheduled day due to illness or injury and have provided acceptable medical documentation, you need to apply for an extension through the Assessment Extension Request on the unit Moodle site, and the unit coordinator and local staff will arrange for the practical skills assessment to be undertaken at another time.

You must notify staff before the beginning of your session on any day (compulsory labs, manned practise, unmanned practise, and practical skills assessments) if you are injured or ill. In the event that your condition could harm or negatively impact either yourself or those around you (e.g. put you at risk of exacerbating an injury, or pass on viral or bacterial infections to other students and staff), you will be sent home and, in the event of it being a compulsory lab or practical skills assessment, you will need to provide acceptable medical documentation for your absence as described above.

Medical certificates and absences:

Medical or health-related certificates must be 'in the approved form' as articulated in the [CQUniversity Assessment Policy and Procedure](#) (HE Coursework), section 5.28: A medical certificate or official letter signed by a registered medical or other appropriate registered healthcare practitioner, which includes the following: patient's name; name, address, and phone number of the medical or healthcare practitioner; date on which the consultation examination took place; date on which the certificate or official letter was issued; and date/s the patient is unfit for attendance/to participate in relevant activities.

Medical Certificates need to contain sufficient evidence to enable an informed decision regarding the application. Non-specific statements that are not acceptable include but are not limited to the following: "the student is not fit for duty" and "the student is suffering from a medical condition or illness". A statement that "the patient is, in my opinion, suffering from a medical condition, the exact nature of which I cannot divulge for reasons of patient privacy" would be acceptable.

Practises:

There is one manned practise and two unmanned practises 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 also applies if running late. Professional behaviour is expected in labs and in association with this unit at all times - please see Assessment 5 for further information.

There is a compulsory on-campus lab induction on Monday 15th July 2019 for students who have not been in any labs this year - this must be completed on-campus before you can attend the sonography labs in any capacity (labs, manned practise, or unmanned practise) and failure to submit the required documentation indicated in the lab induction by 5pm AEST/3pm WA time Monday 9th July 2018 will incur a Lapse in Professionalism point for each day it is overdue.

Lab Schedule:

Please pay close attention to the lab schedule for this unit. You are required to adhere to the Course Dress Code at all times when using the ultrasound simulation labs, including unmanned practises, and the CQUniversity 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. 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.

Important: You must be available Wednesday and Thursday 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.

Professional Behaviour:

In regard to assessment 5, there is a compulsory online Zoom session at 11am AEST/9am WA time on Monday 15th July 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.

This term overall:

This term is a big one in the scanning skills units - a double credit unit where you'll be in labs most of the week. It's exciting and very hands on - take full advantage of every lab and practise time, both manned and unmanned. Please note we follow the theory of deliberate practise when allocating lab. So please take advantage of all opportunities as deliberate practise is an evidence based theory for effective skill acquisition.

We all look forward to seeing you this term.

Assessment Tasks

1 Scanning Skills Test

Assessment Type

Practical Assessment

Task Description

In your future career as a sonographer, you will perform ultrasound scans of the full abdomen on a daily basis. To begin your journey to competency in these scans, you will undertake training and practise in our realistic simulation facilities to achieve advanced beginner level competency in 'normal' patients within a specified time frame.

PART A

This assessment will challenge your ability to perform routine sonographic scanning techniques, image optimisation, and demonstrated understanding of anatomy of the liver. You are expected to perform this in a reasonable time period to beginner level.

You will perform a sonographic examination of the liver and produce representative images. You will be asked by your assessor to demonstrate three (3) anatomical features of the liver and describe their location. This will be on Tuesday in Week 5 (13/8/2019)

This is a pass/fail assessment. To achieve a pass, each assessment component must be passed individually as these indicate the required standard to progress to the first clinical placement. The following lists the sub-assessment items:

Liver Survey

- Real time assessment of the liver to a beginner level

Liver Images

- Representative images from protocol to a beginner level

Liver Anatomy and Pathology

- Three (3) anatomical questions and three (3) pathology questions will be asked.
- Minimum of 66% for both anatomy and pathology questions must be achieved. (ie. 2/3 for anatomy, 2/3 for pathology answers must be correct)

Part B

This assessment will challenge your ability to perform routine sonographic scanning techniques and image optimisation & acquisition of the abdomen (male and female), in a reasonable time period to advanced beginner level.

In summary, this is an assessment of the pre-scan, scanning, and post-scan skills that are further discussed and emphasised in the unit lab manual, instructed labs, lectures, and tutorials. Students will be assessed using the 'Assessment of Readiness for Clinical' (ARC tool).

This is a pass/fail assessment. To achieve a pass, each assessment component must be passed individually as these

indicate the required standard to progress to the first clinical placement. The following lists the sub-assessment items:

Professional (pre-scan and post-scan) requirements

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

Technical (scanning) Requirements

- Students are required to perform routine sonographic techniques and image optimisation of the abdomen (male and female) in a reasonable time period, to advanced beginner level.
- Abdominal ultrasound skills test is marked as per the ARC tool – scanning time limit is **45 minutes**.

The professional and technical components must each be graded as a 'pass' in order to pass the assessment. The components are graded separately so that if one is passed and the other is not, only the failed component must be repeated. All of the bolded items in the professional assessment must receive full marks to pass the professional assessment. 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 (1) opportunity to re-sit the technical and/or professional components of the assessment item in Week 12.

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

Assessment Due Date

Week 10 Tuesday (24 Sept 2019) 8:30 am AEST

PRACTICAL SKILLS TEST - WEEK 5 and WEEK 10. Re-sits will occur in Week 12.

Return Date to Students

Grades are moderated and released within 10 working days. Individual marks will not be released to students.

Weighting

Pass/Fail

Minimum mark or grade

Minimum mark or grade – 65%

Assessment Criteria

SKILLS TEST LIVER

- Surveys and images performed to a beginner level.
- The sonography tutor will observe the student's performance of the liver ultrasound examination and assess each task relative to the stated standards of Beginner Competency Requirements of this level, and supporting details can be found on the unit Moodle site.
- A pass rate of 66% must be achieved in both Liver anatomy and pathology.

SKILLS TEST ABDOMEN

- A pass rate of 65% of available marks in EACH component of the practical and professional behaviour must be achieved to pass the assessment.
- The sonography tutor will observe the student's performance of the full scanning procedure and assess each task relative to the stated standards of the Assessment of Readiness for Clinical (ARC) tool. The ARC tool and supporting details can be found on the unit Moodle site.
- The skills test will assess scanning technique, image optimisation, demonstration of required anatomy on images obtained, and adherence to scan protocols. The non-scanning component will assess communication, professional behaviour, patient care, infection control, and ergonomics.

Please be aware that ALL practical skills tests will be video recorded for moderation purposes.

During re-evaluation:

- All students who achieve marginal and failing grades will have their images and/or video cross-marked (moderated) by a second on-campus assessor and one of the unit facilitators. Students achieving pass grades will have their images and / or videos randomly allocated to the moderation process to ensure consistency. Provisional grades will be released once the moderation process is complete. These are not formally certified until just before the start of Term 3, so will only be provisional until that time.
- Students who do not pass these assessments in week 5 and 10, will be provided feedback on their performance and will be given ONE (1) opportunity to re-sit the technical and/or professional, and/or anatomy and pathology components of the assessments item in Week 12. This test will be conducted by a different assessor and on a different patient to that of the first test.
- Please be aware that all re-sits will be video recorded for moderation purposes.

- Re-sit results will be released within 10 working days to ensure thorough moderation.

As per the Assessment Policy and Procedure 4.36: "students who fail a single assessment in a pass/fail unit will be deemed to have failed that unit". Each of the two (2) components **must be passed individually** to pass the unit.

Referencing Style

- [Vancouver](#)

Submission

Offline

Learning Outcomes Assessed

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

Graduate Attributes

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

2 Written and Practical Assessment - The Pelvis

Assessment Type

Practical Assessment

Task Description

Practical component - Acquisition of images

In your future career as a sonographer, you will perform ultrasound scans of the pelvis on a daily basis. To begin your journey to competency in these scans, you will undertake training and practise in our realistic simulation facilities to acquire optimised images of the pelvis. Using peers and/or approved volunteers (on campuses with reduced male student numbers) in the CQU sonography lab, you will personally acquire the following relevant and appropriately optimised images in the following 8 key areas:

- Bladder with Volume and jets (male or female)
- Uterus protocol images
- Endometrium protocol images
- Rt Ovary protocol images
- Lt Ovary protocol images
- Prostate protocol images

A complete set of images from each of the above listed protocols is to be submitted.

Written component - Discussion of image series

You will provide a reflective discussion on your imaging series (maximum of 1500 words in total +/- 10%).

For each image submitted:

- Justify the clinical purpose or importance of each the 8 key areas as listed above (Why do we take the image/measurement? How is the information used clinically?). Include citations/referencing for this section as required.
- Critique the image quality (specifically any aspects needing improvement).
- Reflect on any difficulties encountered (If it was challenging, why? What challenges would an elderly or very young patient bring?)
- Provide suggestions for future improvement when you attempt this in a clinical setting (be specific and reflective in your thoughts).

Note for similar images such as Rt and Lt ovary, you may choose to discuss these together rather than repeating yourself. This is entirely up to you.

Assessment Due Date

Week 6 Wednesday (28 Aug 2019) 5:00 pm AEST

Assessments must be uploaded by 5pm on the 28th of August 2019. Please allow enough time prior to 5pm to have the assessment uploaded in time. Late submission will only be accepted if an extension has been granted via the unit Moodle site.

Return Date to Students

Week 9 Wednesday (18 Sept 2019)

Students will be given a pass/fail result by Wednesday 18th of September at 5pm.

Weighting

Pass/Fail

Minimum mark or grade

Minimum mark - 50%

Assessment Criteria**Practical component - Acquisition of images**

Your images will be assessed for:

- optimisation
- scan plane
- accurate measurement/s
- annotation
- use of ultrasound machine features

Your discussion will be assessed on:

- justification of clinical relevance of images/reports/graphs
- quality of critique on image quality
- reflection of difficulties encountered in the acquisition process
- suggestions for improvement in a clinical setting
- spelling, grammar, academic writing
- referencing
- adherence to 1500 word count +/- 10% (word count marks will be reduced if too brief or too lengthy; words over 1650 words will not be assessed and may lead to marks not being allocated for images or critiquing outside of this word count)

For detailed marking criteria please see the marking rubric and 2018 assessment video which are both available on the unit Moodle site.

Referencing is a vital component of any academic work and plagiarism is taken seriously by the university. Please refer to the Academic Misconduct Procedure. See support on Vancouver referencing on the unit Moodle site.

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

Your portfolio will be uploaded via the unit Moodle site. Use word doc so that marker comments can be added.

Assessments must be uploaded by 5pm AEST/3pm WA time on the 12th of October 2018. Please allow enough time prior to 5pm to have the assessment uploaded in time.

Learning Outcomes Assessed

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

Graduate Attributes

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

3 Online Quiz(zes)

Assessment Type

Online Quiz(zes)

Task Description

As you are students in a course that is accredited by your professional body, we must provide evidence that you have core knowledge and skills that underpin your ability to meet the competency of your profession.

You will complete two separate online tests to assess your understanding of the anatomy and sonographic protocol and technique for each module, and presumed sonographic knowledge relevant to that module. The purpose of these quizzes is to ensure adequate review of theory from term 1, and that sufficient preparation of protocol and procedures has been undertaken prior to labs.

There will be **two** separate online quizzes which will be held in weeks 5 and 11. Once available, quizzes are open for 32 hours (i.e. open at 10am AEST / 8am WA time on Tuesday and close Wednesday at 6pm AEST / 4pm WA time.)

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.

- The first quiz is in week 5 and covers the male and female pelvis, aorta, IVC and liver.
- The second quiz is in week 11 and covers liver, spleen, and female pelvis.
- 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. After you have contacted TaSAC, please contact the unit coordinator for assistance if you cannot complete the quiz in the allocated time **before** the end of the quiz (Wednesday 6pm AEST/4pm WA time).
- In the event you are unable to complete the quiz in the allocated time and have suitable medical documentation as detailed in Term Specific Information, you can apply for an extension through the Assessment Extension system on the unit Moodle site **before** the end of the quiz (Wednesday 6pm AEST/4pm WA time) to be granted an extension to the quiz time without academic penalty.

In the absence of an approved extension, there will be no opportunity to complete a quiz after it has closed.

Number of Quizzes

2

Frequency of Quizzes

Other

Assessment Due Date

Week 3 Tuesday (30 July 2019) 11:00 am AEST

A new quiz will open in weeks 3 and 9 on Tuesday at 11am AEST/8am WA time Each quiz must be completed by 6pm AEST/4pm WA time the following day (Wednesday)

Return Date to Students

Week 3 Thursday (1 Aug 2019)

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

Weighting

Pass/Fail

Minimum mark or grade

Minimum mark or grade - 70% cumulatively.

Assessment Criteria

Answers will be either 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 **two** quizzes to pass this assessment.

As per Assessment of Coursework Procedures (Section 3 Assessment Extensions), item 3.2.5, "These tests are considered professional assessment tasks and have an absolute submission date. Accordingly, these assessments must be completed by/on the specified date. In the absence of an approved extension, there will be no opportunity to complete the task after this date, and there will be no opportunity to apply a late penalty".

PLEASE NOTE: Failure to complete one quiz means a maximum possible cumulative score of 50% which equates to a fail grade for this assessment and a fail grade for MEDS12004.

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, cheating is defined as "*fraud, dishonesty or deceit of any kind in relation to an academic assessment. Examples include: a. copying or attempting to copy from other students in either an examination or assessment; f. colluding with other students in individual assessments; g. allowing others to provide you with any material that give you an unfair advantage in an assessment; and i. 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 (Health, Medical, and Applied Sciences).

Referencing Style

- [Vancouver](#)

Submission

Online

Learning Outcomes Assessed

- Differentiate the variants of normal sonographic appearances of abdominal and female pelvic organs

Graduate Attributes

- Communication
- Problem Solving
- Information Literacy

4 Written Assessment

Assessment Type

Written Assessment

Task Description

Sonographers work clinically with patients, and both patients and physicians rely on quick, efficient, and complete documentation to issue results, a delay of which may delay treatment. The purpose of this assessment is to prepare you for professional behaviour, attendance, and documentation responsibilities on clinical placement, as well as to develop self-reflection skills by setting weekly goals and following up on progress. There is an example of a completed Formative Feedback Form in your Skills Lab Manual.

This task requires you to

- Demonstrate understanding the lab processes, procedures and Code of Conduct.
- Agree to take part in scanning procedures with due regard for volunteer consent processes.
- Attend scanning labs as scheduled.
- Collect tutor and peer feedback on your skills in ultrasound scanning, image optimisation, and documentation, patient care, communication, and ergonomic performance.
- Respond to feedback with your own reflections and SMART goals for practice and improvement. Both feedback and goals must be completed for each scanning skill lab attended

This assessment will require you to correctly complete and upload the documentation set forth in your MEDS12004 Skills Lab Manual. This includes:

- A signed Scan Lab Record & Formative Feedback Agreement uploaded in week 1 – Friday 19th July 2019 at 5pm AEST/ 3pm WA time.
- A signed Consent Form - Sonographic Examination for Teaching Purposes in week 1 – Friday 19th July 2019 at 5pm AEST/ 3pm WA time **** ONLY if first lab of 2018.**
- 17 Completed Formative Feedback Forms plus Cover sheet uploaded in week 12 – Friday Oct 10th 2019 at 5pm AEST/ 3pm WA time.
- Completed Scan Lab Attendance Record uploaded in week 12 – Friday Oct 10th 2019 at 5pm AEST/ 3pm WA time.

Uploaded document needs to be pdf format only. Please ensure your first name, surname (family name), student number, and title of what you are uploading are used in that order in the name of the uploaded

document, with underscores separating words.

i.e. Jane_Wardle_s0123456_Lab_Agreement.pdf

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 by your tutor. If you do not have all lab days signed off on your Lab Attendance, you will need to write in the reason for this (e.g. "sick - certificate sent in to UC", "did not get signed", etc.); however all forms in this assessment must be completed accurately and either signed off or an explanation given to pass this assessment. Please note, LiP points will be given for each day not signed off for anything other than an absence approved by the UC.

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.

Assessment Due Date

You will be required to upload your Lab Agreement and Consent Form (only if the first lab unit of 2018) by Friday 5pm AEST/3pm WA time in week 1; in pdf format.

Return Date to Students

Students will be given a pass/fail result within 10 working days.

Weighting

Pass/Fail

Minimum mark or grade

Minimum mark or grade - All documentation must be completed correctly, and uploaded on time and in the right format.

Assessment Criteria

In a non-graded pass/fail unit, all assessment items must be correctly and accurately submitted by the due date, as there is no opportunity to apply a five percent penalty, due to the pass/fail nature of each assessment task. Students who fail a single assessment task in a pass-fail unit, or who fail a pass-fail component of a graded unit, will be deemed to have failed that unit.

Referencing Style

- [Vancouver](#)

Submission

Online

Learning Outcomes Assessed

- Critically reflect upon own professional practice utilizing constructive feedback

Graduate Attributes

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

5 Professional Behaviour Assessment

Assessment Type

On-campus Activity

Task Description

Professional behaviour is a critical part of any medical imaging profession, and encompasses the manner in which we treat our colleagues, patients, and the professional settings and equipment provided to us. The purpose of this assessment is to ensure that students from the medical sonography course are well-equipped to embody the high standards of professionalism that are expected from CQUniversity students while on clinical placement. This assessment will require you to treat each of your lab sessions as a scheduled "work shift" and to exhibit high quality professional attributes to ensure you are prepared to enter the work force with the skills required to provide safe patient care and professional behaviour. As such, this assessment is based on continuous and ongoing assessment of student application and attendance during labs. **Note: this extends to all behaviour exhibited by you during your time studying this unit, up until the end of exam week.** This includes participation in forums and online tutorials, labs, social media etiquette, phone calls, attitude towards peers and staff; and all official correspondence with university staff, peers, and community.

This is a **PASS/FAIL** assessment. This assessment is marked using the Professional Behaviour Assessment scored using a Lapse in Professionalism (LiP) point system - to pass this unit, a student can receive a **MAXIMUM of three LiP points** i.e. if a fourth LiP point is issued, the assessment will be graded as a fail.

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. Lapse in Professionalism points can be issued in three different categories:

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

Expected behaviour and its relevance to the clinical environment is listed under the Professional Behaviour Assessment Outline 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 not having your Formative Feedback Forms signed on your lab day would have consequences in a clinical setting and will warrant a LiP point. You will be required to fill out a Formative Feedback Form for each of your compulsory labs, but not for the dates of your practical skills test 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 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 point may be issued.

Up to three LiP points can be issued before the assessment is graded as a fail. **However, if any exhibited behaviour is deemed as unsafe or unacceptable for clinical practice and feedback given to the student around this issue is not taken on board, the professional behaviour assessment may be graded as a FAIL at the discretion of the unit coordinator.**

Assessment Due Date

Week 12 Thursday (10 Oct 2019) 5:00 pm AEST

Week 1 - Formative Feedback Agreement and Consent Form due, Week 12 Submission of completed Scan Lab Record and Formative Feedback Forms.

Return Date to Students

Review/Exam Week Friday (18 Oct 2019)

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

Weighting

Pass/Fail

Minimum mark or grade

Minimum mark or grade - No more than THREE LiP points

Assessment Criteria

When a Lapse in Professionalism point is issued, it will be discussed between the student, the on-site lecturer, and/or the unit coordinator. Written documentation explaining the reason for the LiP point will be provided to the student, signed by the on-site lecturer or the unit coordinator.

Accruing four or more LiP points in the unit will result in the assessment being graded as a FAIL. As this is a pass/fail unit, all assessment items must be graded as a pass to successfully pass the unit.

Referencing Style

- [Vancouver](#)

Submission

Online

Learning Outcomes Assessed

- Display professional behaviour, teamwork and communication skills and criteria to meet 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