



MEDS12006 *Ultrasound in Obstetrics and Gynaecology 1*

Term 2 - 2020

Profile information current as at 30/04/2024 01:20 am

All details in this unit profile for MEDS12006 have been officially approved by CQUUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

General Information

Overview

This unit introduces you to obstetric and non-gravid pelvic ultrasound. In this unit you will build upon your anatomical knowledge of the pelvis to include the anatomy of the gravid pelvis. You will study the sonographic appearance, techniques and procedures applicable to pathology of the non-gravid pelvis, including techniques for communicating your findings. You will be introduced to fetal development and the sonographic appearance of the gravid pelvis. You will identify family-centred care strategies employed in the care of the obstetric patient and the ethical, medico-legal and professional issues relevant to safe practice.

Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

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

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

Offerings For Term 2 - 2020

- 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. **Online Quiz(zes)**

Weighting: 10%

2. **Group Work**

Weighting: 30%

3. **Online Test**

Weighting: 60%

Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the [University's Grades and Results Policy](#) for more details of interim results and final grades.

CQUniversity Policies

All University policies are available on the [CQUniversity Policy site](#).

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the [CQUniversity Policy site](#).

Previous Student Feedback

Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

Feedback from Unit evaluation, teacher reflection

Feedback

Some students suggested the tutorial time was inappropriate, and clashed with other units being studied by this cohort at the same time. Tutorial attendance was notably reduced this offering. As the tutorial time has been consistent over the last few offerings, this was unexpected.

Recommendation

Confer with unit coordinators of other units being simultaneously studied by this cohort and work to find a suitable arrangement for 2020.

Feedback from Unit evaluation

Feedback

Although this is not a distance unit, some students had difficulty creating times to meet with their group members for the assessment.

Recommendation

Consider group allocations for this unit to be based on lab groups for the other unit being studied simultaneously.

Unit Learning Outcomes

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

1. Identify anatomical structures of the pelvis
2. Differentiate the aetiology of female pelvic and fetal disease in relation to sonographic appearance
3. Critically evaluate clinical data to communicate a differential diagnosis
4. Evaluate gynaecological and obstetric imaging in relation to safe practice.

Australasian Sonography Association Competency Standards for the Entry Level Sonographer Units: 1-5, 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 - Online Quiz(zes) - 10%	•	•		•
2 - Group Work - 30%		•		•
3 - Online Test - 60%	•	•	•	•

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				•
8 - Ethical practice				•
9 - Social Innovation				
10 - Aboriginal and Torres Strait Islander Cultures				

Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Online Quiz(zes) - 10%	•	•		•						
2 - Group Work - 30%	•	•	•	•	•	•	•	•		
3 - Online Test - 60%	•	•					•	•		

Textbooks and Resources

Textbooks

MEDS12006

Supplementary

Callen's Ultrasonography in Obstetrics and Gynecology

Edition: 6th (2017)

Authors: Norton, M.E., Scoutt, L.M., & Feldstein, V.A.

Elsevier

Philadelphia, PA, USA

ISBN: 978-0-323-32834-0

Binding: Hardcover

Additional Textbook Information

There are no *prescribed* text books for this unit, the above text is suggested only. Please see a longer list of suggested resources provided on the Moodle site for this unit.

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Video conferencing (Zoom)

Referencing Style

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

For further information, see the Assessment Tasks.

Teaching Contacts

Deanne Chester Unit Coordinator

d.chester@cqu.edu.au

Schedule

Week 1 - 13 Jul 2020

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to the female reproductive system: normal anatomy and physiology	There is no prescribed text for this unit. Weekly readings to complement lecture content will be provided on the unit Moodle site, as well as a list of recommended readings and resources.	

Week 2 - 20 Jul 2020

Module/Topic	Chapter	Events and Submissions/Topic
Embryonic development and congenital anomalies of the female reproductive system	Weekly readings to complement lecture content will be provided on the unit Moodle site	

Week 3 - 27 Jul 2020

Module/Topic	Chapter	Events and Submissions/Topic
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Ultrasound examination of the female pelvis, including basic Doppler techniques

Weekly readings to complement lecture content will be provided on the unit Moodle site

Week 4 - 03 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
Ultrasound appearance of normal female reproductive organs	Weekly readings to complement lecture content will be provided on the unit Moodle site	

Week 5 - 10 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
Benign disease of the female pelvis	Weekly readings to complement lecture content will be provided on the unit Moodle site	Summative assessment (graded): Mid term Moodle quiz opens 16/08/2019 9AM AEST

Vacation Week - 17 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
		First Self and Peer Assessment (SPA): opens 16/08/2019 9AM AEST

Week 6 - 24 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
Malignant disease of the uterus and cervix	Weekly readings to complement lecture content will be provided on the unit Moodle site	First Self and Peer Assessment (SPA) due: closes 23/08/2019 4PM AEST

Week 7 - 31 Aug 2020

Module/Topic	Chapter	Events and Submissions/Topic
Malignant disease of the ovary	Weekly readings to complement lecture content will be provided on the unit Moodle site	Mid-term Moodle quiz closes 26/08/2019 9AM AEST

Week 8 - 07 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Pelvic inflammatory disease, endometriosis and ultrasound assisted procedures of the female reproductive organs	Weekly readings to complement lecture content will be provided on the unit Moodle site	

Week 9 - 14 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to obstetric ultrasound & embryology	Weekly readings to complement lecture content will be provided on the unit Moodle site	Final Self and Peer Assessment (SPA): opens 17/09/2019 9AM AEST Recorded Oral Presentation Due: Week 9 Friday (18 Sept 2020) 12:00 pm AEST

Week 10 - 21 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
The first trimester ultrasound examination	Weekly readings to complement lecture content will be provided on the unit Moodle site	Final Self and Peer Assessment (SPA) due: closes 27/09/2019 4PM AEST

Week 11 - 28 Sep 2020

Module/Topic	Chapter	Events and Submissions/Topic
Ultrasound assessment of ectopic pregnancy and other first trimester complications	Weekly readings to complement lecture content will be provided on the unit Moodle site	Summative assessment (graded): end of term Moodle quiz opens 04/10/2019 9AM AEST

Week 12 - 05 Oct 2020

Module/Topic	Chapter	Events and Submissions/Topic
The nuchal translucency screening test and other first trimester screening techniques	Weekly readings to complement lecture content will be provided on the unit Moodle site	

Review/Exam Week - 12 Oct 2020

Module/Topic	Chapter	Events and Submissions/Topic
		End of term Moodle quiz closes 14/10/2019 9AM AEST

Exam Week - 19 Oct 2020

Module/Topic	Chapter	Events and Submissions/Topic
		Summative assessment (graded): Final examination

Assessment Tasks

1 Summative Quizzes

Assessment Type

Online Quiz(zes)

Task Description

Moodle online multiple choice quiz activity - summative

Each health profession possesses a body of knowledge, the fundamentals of which must be learnt and understood. This unit provides concepts relevant to the sonographer scope of practice and accreditation requirements which you will build upon in your future clinical capacity.

You will complete TWO online quizzes to assess your concept knowledge.

A mid-term Moodle quiz (assessing content from weeks 1-5) and an end of term Moodle quiz (assessing content from weeks 6-11) will be part of the graded assessment for this unit.

Each quiz will have 20 multiple choice questions to be completed in a 20 minute time limit.

You will only receive ONE attempt at each quiz, and once started, the quiz cannot be paused or restarted

Your score from each quiz will contribute 5% to your final grade (2 quizzes x 5% = 10%).

As with all university assessments, colluding with other students on non-group work tasks is considered academic misconduct, and may lead to action being taken by the Deputy Dean of Learning and Teaching HMAS.

If extensions are required these must be applied for BEFORE the quiz has closed and answers have been released to students.

Number of Quizzes

2

Frequency of Quizzes

Other

Assessment Due Date

Monday (12 Oct 2020) 12:00 pm AEST

Mid-term quiz open from FRIDAY 14/08/2020 12PM AEST and closes on MONDAY 24/08/2020 12PM AEST. End-of-term quiz open from FRIDAY 02/10/2020 12PM AEST and closes on MONDAY 12/10/2020 12PM AEST. Note these are Queensland times. Please adjust for your state and timezone if applicable.

Return Date to Students

Results released for each quiz after all students have completed quizzes

Weighting

10%

Assessment Criteria

Your critical thinking and content recall will be assessed with this assessment item.

Questions will be automatically marked correct or incorrect.

The maximum score (40) that can be accumulated from the two Moodle quizzes equals 10% of the total unit marks.

Referencing Style

- [Vancouver](#)

Submission

Online

Learning Outcomes Assessed

- Identify anatomical structures of the pelvis
- Differentiate the aetiology of female pelvic and fetal disease in relation to sonographic appearance
- Evaluate gynaecological and obstetric imaging in relation to safe practice.

Graduate Attributes

- Communication
- Problem Solving
- Information Literacy

2 Recorded Oral Presentation

Assessment Type

Group Work

Task Description

Employer feedback rates the ability to work in a team as a desirable employee attribute. This is particularly notable in the health professions which work predominantly in teams to promote good practice and reduce medical errors. For this assessment task you will work as a group to achieve the task outcome. This task is designed to give you experience in preparing and delivering an in-house lecture to fellow colleagues in your future career as a clinical sonographer, and as such, part of the assessment task and criteria is for your group to decide, after a thorough examination of the available literature, what content you will include.

You will be allocated to a group for this assessment task and together you will choose a topic related to the female reproductive system, from a list provided on the Moodle site. All students in your group will be enrolled at the same campus. Ideally groups will contain four students, but this will depend on student enrollment numbers at each campus. A draft group allocation will be provided on Monday of week 2. This will be subject to minor changes until census date on Tuesday of week 4.

There are two components to this assessment:

Part A Group Component: Recorded Oral Presentation

Part B Individual Component: SPA Survey and Individual Performance

Part A

As a group you are to perform relevant literature searches about your topic, then collate, discuss and edit the information, and prepare an oral presentation to be recorded and submitted for marking. All group members are to be involved in both preparation and recording of the presentation. Your preparation will utilise computer generated slides with voice-over recording (eg Microsoft PowerPoint) as a minimum requirement.

Your target audience is newly graduated sonographers. Your objective is to provide them practical information about your topic. Keep the presentation relevant to sonographic imaging and what a new sonographer will need to know about your topic.

The group presentation should:

- Demonstrate adequate research from relevant literature sources, with collation of important key points presented in a logical format
- Use correct technical terms and have slides free from spelling, grammatical and formatting errors
- Include appropriate information, diagrams and ultrasound images pertaining to the key points of the presentation and at a suitable level for the target audience
- Engage the audience and demonstrate a degree of creativity
- Demonstrate confident speakers (voice and body language) who are clearly audible
- Use Vancouver referencing style in-text, and for any images and diagrams included
- Provide a correctly formatted reference list as the last slide/s of the presentation
- Be a maximum of 8 minutes duration and include active roles by all group members

Group work is working together to produce a collaborative product. Do not simply work next to each other, as this leaves different group members solely responsible for certain aspects of the submitted product. It is very important that each group member is across all aspects of the assessment. The results are GROUP marks, so if you wish to ensure the best possible mark, you need to be satisfied that all group members are producing quality work before the assessment is submitted and marked.

Part B

Self and Peer Assessment (SPA) will be undertaken in weeks 6 and 10 to assess each member's contribution to the group work. You will be sent an email link to complete the SPA 10 question survey. In confidence, each person within a group will score themselves and their team mates on their degree of contribution to the team work process. The average of

your assessment by your peers will form your mark for this part of the assessment.

You will also submit individually the slides for which you were responsible, and the script that you used for your portion of the oral presentation.

Please ensure you also watch the Assessment Video and previous exemplars provided on the unit Moodle site.

Referencing

Referencing is a vital component of any academic work and plagiarism is taken seriously by the university. Please refer to the Academic Misconduct Procedure published on the IMPortal.

Vancouver style referencing will be used. If you wish to use EndNote (referencing software) you may do so, but it is your responsibility to check the formatting of the template matches CQUniversity requirements.

Referencing information and examples are available on the unit Moodle site, or by contacting the Academic Learning Centre (ALC).

Assessment Due Date

Week 9 Friday (18 Sept 2020) 12:00 pm AEST

Return Date to Students

Week 11 Friday (2 Oct 2020)

Weighting

30%

Assessment Criteria

Completion Advice:

Group work is defined as working together in a team and not simply working next to each other. I strongly advise that all group members collaborate into all aspects of this task.

ALL oral presentations are to be submitted using Zoom video conferencing recording - in this way no groups can be advantaged or disadvantaged by IT skills which are not part of the learning outcomes for this task.

All team members will receive the same mark for Part A (15%), and an individual mark will be provided for Part B (15%).

Part A: Recorded Oral Presentation

Group marks will be determined by considering the following assessment criteria check list and the presentation as a whole:

- Have you identified the parameters of your task and topic?
- Have you prioritised relevant details for inclusion?
- Is the information included accurate and evidence-based with relevant references?
- Does your content indicate that you understand the most important aspects of the topic and the sonographer's role?
- Have you used images and graphics which are relevant and of satisfactory quality?
- Have you clearly taken into account your specific audience?
- Do all speakers show confidence with voice and body language, to provide an engaging presentation, which is clearly audible?
- Is your organisation, professionalism, spelling, grammar and use of vocabulary exemplary?
- Have you adhered to the correct referencing style and provided adequate acknowledgement to sources?

The GROUP WORK MARKING RUBRIC can be found on the unit Moodle site

Part B: Self and Peer Assessment (SPA) tool and Individual Performance

SPA

All students will be required to complete a 10 question SPA survey on two separate occasions. You will be emailed the SPA Tool access links twice during the term.

- SPA 1 will be open for completion during week 6
- SPA 2 will be open for completion during week 10

If you do not complete your SPA survey for your team by the due date, you will receive zero (0) marks for that survey. This equates to 2.5% of unit marks lost for each survey not completed.

Individual Performance

All students will be required to submit their individual slides and script from which they presented so an individual mark on performance can be determined based on the following:

- Are your notes and script well collated with no breaches of academic integrity? Copy and pasted information from other sources is not acceptable.
- Is the information included accurate and evidence-based with relevant references?
- Does your individual content indicate that you understand the most important aspects of the topic and the sonographer's role?
- Does your individual presentation display confidence with the content, as well as voice and body language to provide an engaging presentation, which is clearly audible?

The INDIVIDUAL MARKING RUBRIC can be found on the unit Moodle site

Referencing Style

- [Vancouver](#)

Submission

Online Group

Learning Outcomes Assessed

- Differentiate the aetiology of female pelvic and fetal disease in relation to sonographic appearance
- Evaluate gynaecological and obstetric imaging in relation to safe practice.

Graduate Attributes

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

3 End of term test

Assessment Type

Online Test

Task Description

The end of term online test will assess you on content covered in the whole unit (weeks 1 to 12). This includes material covered in lectures, tutorials and any additional resources supplied during the term.

The questions will involve a combination of question types, including short and long answer questions which require typed answers, some multi-choice quiz questions and sonographer worksheets.

Identification of normal and abnormal structures from sonographic images and diagrams will be required.

Ensure you read the questions properly before beginning to formulate your answers and ensure you are using appropriate terminology at all times.

The end of term online test will be available on Moodle and 3 hours working time will be allocated. The test cannot be paused once started, or reattempted once finished.

This is an individual task. The online test must be completed by you, without assistance or collusion with others. Any evidence of collusion will be dealt with in adherence with the CQU student academic integrity policy and procedure.

Assessment Due Date

Monday (19 Oct 2020) 11:45 pm AEST

Students will be notified of end of term test timetabling by the unit coordinator once these have been scheduled

Return Date to Students

Interim results will be made available after marking is completed. These do not become official results until certification of grades.

Weighting

60%

Minimum mark or grade

50%

Assessment Criteria

Multiple choice questions (1 mark) will be automatically marked correct or incorrect.

Written response questions will vary in mark allocation. Short answer (10 marks), long answer (20 marks) and worksheet responses (10 marks) will require:

- use of correct anatomic names of structures (including spelling) and recognition of their normal and abnormal sonographic appearances
- use of correct sonographic terminology (including spelling)
- evaluation of clinical information
- detail to demonstrate depth of understanding, critical thinking and pathology awareness including signs and symptoms
- identification of sonographic imaging planes, protocols, conventions and artefacts as relevant

- explanation of pre and post scanning requirements, including medico legal aspects and infection control standards

Referencing Style

- [Vancouver](#)

Submission

Online

Submission Instructions

This online test must be completed by you, without assistance or collusion with others. Any evidence of collusion will be dealt with in adherence with the CQU student academic integrity policy and procedure.

Learning Outcomes Assessed

- Identify anatomical structures of the pelvis
- Differentiate the aetiology of female pelvic and fetal disease in relation to sonographic appearance
- Critically evaluate clinical data to communicate a differential diagnosis
- Evaluate gynaecological and obstetric imaging in relation to safe practice.

Graduate Attributes

- Communication
- Problem Solving
- 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