



MEDS12006 *Ultrasound in Obstetrics and Gynaecology 1*

Term 2 - 2017

Profile information current as at 01/05/2024 02:19 pm

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 - 2017

- Brisbane
- Mackay
- Melbourne
- 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. **Examination**

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 Student Evaluations

Feedback

Longer exam time needed

Recommendation

Change from 2 to 3 hours

Feedback from Student Evaluations

Feedback

Assessment information (groupwork) needs further explaining

Recommendation

Students all did very well in the groupwork and marks were high. One exemplar of a previous groupwork was provided, along with a video explanation and written information. Despite this, there was some feedback that the task was not explained well enough. I will provide at least one additional exemplar of previous work for the next offering and edit the written information provided to students.

Feedback from Student marks

Feedback

Reduce % weighting of SPA component of the groupwork assessment

Recommendation

Groupwork is 30% overall (as before) Change presentation 25% and SPA 5% (from 15/15)

Feedback from Unit Coordinator and student evaluations

Feedback

Textbook contains some errors

Recommendation

This text and workbook are used for the 3 O&G units and are quite good for the level the students are at. The workbook in particular is a good resource. Remove from required text list and to become a recommended reading item. Additional texts will be sought out to also go on the recommended reading list (library will be notified). More journal articles will be used throughout the term. This has also been discussed with other O&G unit coordinator.

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

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

Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	2	3	4
1 - Online Quiz(zes) - 10%	•	•		•
2 - Group Work - 30%		•		•
3 - Examination - 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 - Examination - 60%	•	•					•	•		

Textbooks and Resources

Textbooks

There are no required textbooks.

Additional Textbook Information

There are no prescribed text books for this unit, however please see the list of suggested resources provided on the Moodle site.

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)

Referencing Style

All submissions for this unit must use the referencing style: [American Psychological Association 6th Edition \(APA 6th edition\)](#)

For further information, see the Assessment Tasks.

Teaching Contacts

Deanne Chester Unit Coordinator
d.chester@cqu.edu.au

Schedule

Week 1 - 10 Jul 2017

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to the female reproductive system: normal anatomy and physiology		

Week 2 - 17 Jul 2017

Module/Topic	Chapter	Events and Submissions/Topic
Embryonic development and congenital anomalies of the female reproductive system		

Week 3 - 24 Jul 2017

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

Week 4 - 31 Jul 2017

Module/Topic	Chapter	Events and Submissions/Topic
Ultrasound appearance of normal female reproductive organs		

Week 5 - 07 Aug 2017

Module/Topic	Chapter	Events and Submissions/Topic
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Benign disease of the female pelvis

Summative assessment (graded):
Mid term Moodle quiz
opens 11/08/2017 4PM AEST

Vacation Week - 14 Aug 2017

Module/Topic

Chapter

Events and Submissions/Topic

First Self and Peer Assessment (SPA):
opens 21/08/2017 9AM AEST

Week 6 - 21 Aug 2017

Module/Topic

Chapter

Events and Submissions/Topic

Malignant disease of the uterus and cervix

First Self and Peer Assessment (SPA)
due:
closes 25/08/2017 4PM AEST

Week 7 - 28 Aug 2017

Module/Topic

Chapter

Events and Submissions/Topic

Malignant disease of the ovary

Mid-term Moodle quiz
closes 28/08/2017 9AM AEST

Week 8 - 04 Sep 2017

Module/Topic

Chapter

Events and Submissions/Topic

Pelvic inflammatory disease, endometriosis and ultrasound assisted procedures of the female reproductive organs

Week 9 - 11 Sep 2017

Module/Topic

Chapter

Events and Submissions/Topic

Introduction to obstetric ultrasound & embryology

Final Self and Peer Assessment (SPA):
opens 18/09/2017 9AM AEST

Group Work Assessment Due: Week 9 Friday (15 Sept 2017) 4:00 pm AEST

Week 10 - 18 Sep 2017

Module/Topic

Chapter

Events and Submissions/Topic

The first trimester ultrasound examination

Final Self and Peer Assessment (SPA)
due:
closes 22/09/2017 4PM AEST

Week 11 - 25 Sep 2017

Module/Topic

Chapter

Events and Submissions/Topic

Ultrasound assessment of ectopic pregnancy and other first trimester complications

Summative assessment (graded):
end of term Moodle quiz
opens 29/09/2017 4PM AEST

Week 12 - 02 Oct 2017

Module/Topic

Chapter

Events and Submissions/Topic

The nuchal translucency screening test and other first trimester screening techniques

Review/Exam Week - 09 Oct 2017

Module/Topic

Chapter

Events and Submissions/Topic

End of term Moodle quiz
closes 09/10/2017 9AM AEST

Online Quiz(zes) Due: Review/Exam Week Monday (9 Oct 2017) 9:00 am AEST

Exam Week - 16 Oct 2017

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

Term Specific Information

Unit coordinator details:The unit coordinator for MEDS12006 is Deanne Chester. The best way to contact me is via email at d.chester@cqu.edu.au. My office number is 07 3295 1175 but I often have sonography lab commitments and away from my desk. It is often best to email and request a scheduled meeting (over the phone or in person) if necessary.

Additional unit information:

Access to the internet is required to undertake this unit, as unit materials, tutorials and updates will be provided via Moodle, email and Zoom.

Weekly resources will include access to relevant websites, activities and readings. To give yourself the best chance of success with this unit please ensure that you undertake all the additional readings and activities that are provided to you. There will be several opportunities for formative assessment and feedback during the term.

Assessment Tasks

1 Online Quiz(zes)

Assessment Type

Online Quiz(zes)

Task Description

Moodle online quiz activity - summative

A mid term Moodle quiz (opening week 5) and an end of term Moodle quiz (opening week 11) will be part of the graded assessment for this unit.

Each quiz is timed. You will have 20 minutes to complete 20 multiple choice questions. You will only receive one attempt at each quiz.

Quizzes are graded and count towards your unit total.

Number of Quizzes

2

Frequency of Quizzes

Other

Assessment Due Date

Review/Exam Week Monday (9 Oct 2017) 9:00 am AEST

Mid-term quiz open from FRIDAY 11/08/2017 4PM AEST and closes on MONDAY 28/08/2017 9AM AEST. End-of-term quiz open from FRIDAY 29/09/2017 4PM AEST and closes on MONDAY 09/10/2017 9AM AEST.

Return Date to Students

Results released when all students have completed quizzes

Weighting

10%

Assessment Criteria

Mid-term Moodle quiz (opens week 5)

Mid-term quiz will test content from week 1 to 5.

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

Questions will involve multiple choice, there will be 20 random questions allocated to you from a pool of questions. The test will be timed, you will have 20 minutes to complete the 20 questions. You will have ONE attempt only at this quiz.

End-of-term Moodle quiz (opens week 11)

End-of-term quiz will test content from week 6 to week 11.

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

Questions will involve multiple choice, there will be 20 random questions allocated to you from a pool of questions. The test will be timed, you will have 20 minutes to complete the 20 questions. You will have ONE attempt only at this quiz.

Referencing Style

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

Submission

Online

Submission Instructions

via unit Moodle site

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 Group Work Assessment

Assessment Type

Group Work

Task Description

GROUP WORK ASSESSMENT (30% of unit total)

You will be allocated to a group by the unit coordinator for this assessment task. All students in your group will be enrolled at the same campus. Ideally groups will contain four students, but this will depend on enrolled numbers at each campus. A draft group allocation will be provided on 17 July (Monday of week 2). This will be subject to minor changes until census date on 1 August (Tuesday of week 4).

Together you will choose a topic related to the female reproductive system, from the below:

- Pelvic inflammatory disease
- Post menopausal PV bleeding
- Endometriosis

As a group you are to use communication and team work to perform relevant literature searches about your topic, 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 phase (and individual marks) will utilise the Self and Peer Assessment evaluation tool (SPA) and your presentation phase (and group marks) will utilise computer generated slides with voice-over recording (eg Microsoft PowerPoint) as a *minimum* requirement.

The final slide/s of your presentation will contain your reference list.

Your target audience is your fellow MEDS12006 students. Keep this in mind as you prepare the oral presentation. Your objective is to teach student sonographers about your topic. Keep the presentation relevant to sonographic imaging and what a new sonographer will need to know.

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 is for your group to decide what content you will include*. This will not be outlined for you any further than what is contained here.

Please ensure you also watch the [Assessment Video provided HERE](#).

You can also watch an [exemplar of a previous submission HERE](#).

REFERENCING

Referencing is an extremely 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 available HERE](#).

In the medical field (in which sonography is included), journals use a numbered style of referencing for citing references. This can be Vancouver style, AMA, or other combinations. This often depends on the publication.

Hence for this unit the *bibliographic style* you are to use is *APA referencing style* (that means, you use APA style to show the author/publication details in your *reference list*) and *IN ADDITION* you are expected to use a *reference number* for your in-text citations.

See further referencing information and examples on Moodle site.

Assessment Due Date

Week 9 Friday (15 Sept 2017) 4:00 pm AEST

Return Date to Students

Monday (2 Oct 2017)

Weighting

30%

Assessment Criteria

Group Work Assessment 30% of unit total

INDIVIDUAL COMPONENT - 5% of unit total

You will be required to share the work of this assessment task equally between group members so that an even spread of input between group members is achieved.

Good planning (setting of meeting dates, deadlines), communication (determination of the best form/s of communication to suit all group members) and assignment of roles (plant, completer finisher, shaper, etc) will assist in the facilitation of this assessment item. Utilising the Belbin team roles and characteristics you learned about in year 1 may be advantageous. To refresh your memory, please click [HERE for a diagrammatic representation](#) of Belbin roles or for a more [detailed descriptor click HERE](#).

The Self and Peer Assessment tool (SPA), a web based system which integrates with Moodle, will be used so that you can both give and receive feedback on the teamwork task. Individual marks for group contribution will be allocated by your peers according to your level of input, equal sharing of workload plus your fulfillment to team commitments. SPA is simple and quick to use in a survey style format. This is to be done twice during the term: once at the midway point of the group-work task (week 6) and again at the completion of the task (week 10) thus giving you the opportunity to improve your team contribution performance between peer evaluations. [Please watch a short video on SPA available HERE](#).

Your mark for the individual component is derived from your peers. Group members assessments of their team mates' performance, based on a series of 10 standard questions, are averaged and this mark is transferred to the Moodle gradebook. Your own self assessment is *excluded* from the mark. As such there is **no marking rubric for the individual component of this assessment**.

GROUP COMPONENT - 25% of unit total

Group marks will be determined by the content and quality of the oral presentation submitted.

Content

- Your target audience is your fellow MEDS12006 students. Keep this in mind as you decide on your content and prepare the oral presentation. Your objective is to teach student sonographers about your topic. Keep the presentation relevant to sonographic imaging and what a new sonographer will need to know.
- Determine your key points or 'take home messages' and these will form the bulk of your content. Including the typical signs and symptoms, describing sonographic appearances, providing protocol guidelines and showing imaging examples would be suitable content. Additional background information such as aetiology, other diagnostic methods and treatments could form a small portion of your presentation but not at the expense of your key points.
- 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. As such, *part of the assessment criteria includes the group's decision on included content*. Hence, no further guidance on content will be provided for this assessment item by the unit coordinator.

Quality

- The quality of your presentation and recording includes the format in which you choose to record. Using a computer generated slide program with voice-over (eg Microsoft PowerPoint) is considered a *minimum* requirement.
- More creative means of recording the presentation are encouraged as this will provide increased audience engagement and marks received.
- It is important that the voice over can be heard clearly as this is how you deliver your content to your audience. Using a quiet room (such as can be booked at CQU libraries) and recording the presentation together as a group gives the best outcome and is most authentic.

The presentation will be a maximum of 10 minutes in duration and must include active roles by all group members. The final slide/s of your presentation will contain your reference list. In-text citations will be required where necessary throughout the slide presentation, including for any images or diagrams used.

For more detail on assessment criteria please see the [GROUP marking rubric HERE](#).

REFERENCING

APA (numbered) referencing is to be used.

See support on [APA referencing HERE](#) or for a guide on [numbered referencing see HERE](#)

If you wish to use EndNote (referencing software) you may do so but you will need to [modify the EndNote template click HERE](#)

See further referencing information and examples on unit Moodle site.

Referencing Style

- [American Psychological Association 6th Edition \(APA 6th edition\)](#)

Submission

Online

Submission Instructions

via Moodle

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

Examination

Outline

Complete an invigilated examination.

Date

During the examination period at a CQUniversity examination centre.

Weighting

60%

Length

180 minutes

Minimum mark or grade

50%

Exam Conditions

Closed Book.

Materials

No calculators permitted

Dictionary - non-electronic, concise, direct translation only (dictionary must not contain any notes or comments).

Academic Integrity Statement

As a CQUniversity student you are expected to act honestly in all aspects of your academic work.

Any assessable work undertaken or submitted for review or assessment must be your own work. Assessable work is any type of work you do to meet the assessment requirements in the unit, including draft work submitted for review and feedback and final work to be assessed.

When you use the ideas, words or data of others in your assessment, you must thoroughly and clearly acknowledge the source of this information by using the correct referencing style for your unit. Using others' work without proper acknowledgement may be considered a form of intellectual dishonesty.

Participating honestly, respectfully, responsibly, and fairly in your university study ensures the CQUniversity qualification you earn will be valued as a true indication of your individual academic achievement and will continue to receive the respect and recognition it deserves.

As a student, you are responsible for reading and following CQUniversity's policies, including the [Student Academic Integrity Policy and Procedure](#). This policy sets out CQUniversity's expectations of you to act with integrity, examples of academic integrity breaches to avoid, the processes used to address alleged breaches of academic integrity, and potential penalties.

What is a breach of academic integrity?

A breach of academic integrity includes but is not limited to plagiarism, self-plagiarism, collusion, cheating, contract cheating, and academic misconduct. The Student Academic Integrity Policy and Procedure defines what these terms mean and gives examples.

Why is academic integrity important?

A breach of academic integrity may result in one or more penalties, including suspension or even expulsion from the University. It can also have negative implications for student visas and future enrolment at CQUniversity or elsewhere. Students who engage in contract cheating also risk being blackmailed by contract cheating services.

Where can I get assistance?

For academic advice and guidance, the [Academic Learning Centre \(ALC\)](#) can support you in becoming confident in completing assessments with integrity and of high standard.

What can you do to act with integrity?



Be Honest

If your assessment task is done by someone else, it would be dishonest of you to claim it as your own



Seek Help

If you are not sure about how to cite or reference in essays, reports etc, then seek help from your lecturer, the library or the Academic Learning Centre (ALC)



Produce Original Work

Originality comes from your ability to read widely, think critically, and apply your gained knowledge to address a question or problem