



MEDS13001 *Ultrasound of Obstetrics and Gynaecology 2*

Term 1 - 2017

Profile information current as at 03/05/2024 08:27 pm

All details in this unit profile for MEDS13001 have been officially approved by CQU University and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

General Information

Overview

This unit advances your study of obstetric ultrasound. You will explore the sonographic assessment of normal and pathological obstetric and gynaecological cases. 'Hands-on' scanning sessions facilitate the identification of normal sonographic appearance. Clinical scenarios are used to engage you in the sonographic decision-making process which culminates in the creation of a sonographers' interpretive report.

Details

Career Level: *Undergraduate*

Unit Level: *Level 3*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Prerequisite: MEDS12006 Ultrasound in Obstetrics and Gynaecology 1

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

Offerings For Term 1 - 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. **Practical and Written Assessment**

Weighting: 40%

2. **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 emails and course evaluation.

Feedback

Use of play-dough models to assist with teaching of embryological development was well received.

Recommendation

Continue (and perhaps expand on) use of these models.

Action

Play-dough models are still being used with good feedback from students.

Feedback from Course evaluation.

Feedback

Some students found the explanation of the Practical & Written Assessment item difficult to follow.

Recommendation

A video and extensive information were provided in the Course Profile prior to the start of term. Revise the information in the Course Profile, specifically for Part A of the assessment.

Action

Assessment was altered to remove a large written component. Students rated the assessment as more useful to their learning than previous years (it was more practically based). Suggest keeping this model. A small number of students still provided feedback that they did not find the assessment was explained well. Suggest redoing the lab manuals in a different format.

Unit Learning Outcomes

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

1. Discuss the clinical presentation, sonographic appearance and aetiology of pathological processes of the gravid uterus and fetal development.
2. Analyse normal and abnormal fetal development with reference to embryological development and laboratory findings.
3. Analyse clinical scenarios to provide a differential diagnosis and produce a sonographic report.
4. Formulate strategies for the provision of safe and ethical patient care.
5. Apply sonographic techniques appropriate to obstetric ultrasound to produce a limited morphology study in a simulated environment.

The learning outcomes for this unit relate to the requirements of the Australian Sonographers Association Competency Standards for the Entry Level Sonographer as listed here.
Unit 1 -3, 10.

Alignment of Learning Outcomes, Assessment and Graduate Attributes



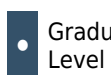
N/A
Level



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	5

Assessment Tasks	Learning Outcomes				
	1	2	3	4	5
1 - Practical and Written Assessment - 40%	•	•	•		•
2 - Examination - 60%	•	•	•	•	

Alignment of Graduate Attributes to Learning Outcomes

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

Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Practical and Written Assessment - 40%	•	•	•	•		•				
2 - Examination - 60%	•	•					•	•		

Textbooks and Resources

Textbooks

MEDS13001

Prescribed

Diagnostic Medical Sonography: Obstetrics & Gynecology

Edition: 3rd (2012)

Authors: Susan Raatz Stephenson

Lippincott Williams and Wilkins

Philadelphia , PA , USA

ISBN: 9781608311170

Binding: Hardcover

MEDS13001

Prescribed

Workbook for Diagnostic Medical Sonography: A Guide to Clinical Practice Obstetrics and Gynecology

Edition: 3rd (2012)

Authors: Hall-Terracciano Barbara & Susan Raatz Stephenson

Lippincott Williams and Wilkins

Philadelphia , PA , USA

ISBN: 9781608311804

Binding: Hardcover

Additional Textbook Information

Students who have completed MEDS12006 (a prerequisite to this course) will already have purchased this text and workbook in their second year.

[View textbooks at the CQUniversity Bookshop](#)

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 - 06 Mar 2017

Module/Topic	Chapter	Events and Submissions/Topic
Week 1: The Fetal Environment	Chapter 17 p 393-422	Lab Safety Induction 06 March 2017 COMPULSORY

Week 2 - 13 Mar 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 2: Abnormalities of the Placenta and Umbilical Cord	Chapter 18 p 423-460	
Week 3 - 20 Mar 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 3: Fetal Age and Size in the Second and Third Trimester	Chapter 16 p 367-392	Practice Moodle Quiz
Week 4 - 27 Mar 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 4: Fetal Neural Tube Structures	Chapter 19 p 461-502	Practice Sonographer Worksheet
Week 5 - 03 Apr 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 5: Fetal Neural Tube Structure...continued	Chapter 19 p 461-502	Mock Exam
Vacation Week - 10 Apr 2017		
Module/Topic	Chapter	Events and Submissions/Topic
No content		
Week 6 - 17 Apr 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 6: Fetal Heart	Chapter 22 p 577-608	Practice Moodle Quiz
Week 7 - 24 Apr 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 7: Fetal Heart...continued	Chapter 22 p 577-608	Practice Sonographer Worksheet
Week 8 - 01 May 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 8: Normal Fetal Chest, Abdomen and Pelvis	Chapter 20 p 503-538	
Week 9 - 08 May 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 9: Abnormal Fetal Chest, Abdomen and Pelvis	Chapter 21 p 539-576	Practice Moodle Quiz
Week 10 - 15 May 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 10: Normal and Abnormal Fetal Limbs	Chapter 23 p 609-628	
Week 11 - 22 May 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 11: Multiple Gestations	Chapter 26 p 661-682	Mock Exam
Week 12 - 29 May 2017		
Module/Topic	Chapter	Events and Submissions/Topic
Week 12: Patterns of Fetal Anomalies:	Chapter 28 p 713-744	
Review/Exam Week - 05 Jun 2017		
Module/Topic	Chapter	Events and Submissions/Topic
		Final examination Date to be advised

Term Specific Information

Unit coordinator details:

The unit coordinator for MEDS13001 is Deanne Chester. The best way to contact Deanne is via email at d.chester@cqu.edu.au. Deanne's office number is 07 3295 1175 although she has sonography lab commitments and is often away from her desk. It is often best to email and request a scheduled meeting (over the phone or in person) if necessary.

Additional unit information:

This unit includes three practical sonography lab sessions. During these sessions you will be simulating a limited 2nd trimester morphology ultrasound examination. These sessions will also enable you to produce the images required for the Practical & Written Assessment item due in week 9 (Monday 08 May 2017)

Please note you **MUST** attend the Lab Safety Induction in week 1 (Monday 06 March 2017) to be permitted access to the labs during the term. If the induction has not been completed you will be excluded from the lab sessions.

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, however you will need to acquire the prescribed text and workbook to successfully complete this unit. To give yourself the best chance of success 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 Practical and Written Assessment

Assessment Type

Practical and Written Assessment

Task Description**Written and Practical Assessment Task Description**

Part A & B are to be submitted together (40% of course total)

Part A - Practical Assessment

This assessment item is designed to allow you to **solve clinical problems** in a sonographic context **and critically evaluate** the process and product. This will be based around the following:

1. The acquisition of images and biometric measurements of the 2nd trimester phantom. You will personally acquire the relevant images and must use the ultrasound system obstetric package. Use the report page/s and graphs on the ultrasound system as appropriate.
2. You will provide a reflective discussion on your imaging series.

The Assessment Criteria include:

Acquisition of images

- correctly obtained, labelled and optimised sonographic images
- adequate use of ultrasound system obstetric package and report functions
- this is to be done individually (do not submit others images)

Critique of image series

- for each image provide a thoughtful reflection and critique of image quality
- justification of image inclusion in the series
- summary of any difficulties encountered
- suggestions for future improvement

For more detailed marking criteria please see the [Part A marking rubric HERE](#)

Part B - Written Assessment

This assessment item is designed **to test your communication, problem solving and critical thinking skills.**

1. Choose a topic from this list:

- **cardiac septal defects**

- **hypoplastic left heart syndrome**
- **coarctation of the aorta**
- **transposition of the great arteries**

2. You will produce an essay (1500 words) on your chosen topic. Your paper will be well referenced and highlight the use of ultrasound around the selected topic. This assessment item will increase your knowledge base and prepare you for the clinical environment.

Assessment Criteria include:

Ability to find and evaluate information

- Investigate current evidence and thinking around the given topic
- demonstrate thorough, appropriate, and up to date literature searches
- determine the relevance of what you have read, collate and edit
- provide detailed background information (including embryologic information)

Ability to recognise pertinent professional information

- highlight the sonographic relevance of the specified topic
- analyse the historical/current/future applications of sonographic imaging in the diagnosis or surveillance of your topic
- provide suggested guidelines or protocols for use of ultrasound in this context

Ability to produce a scholarly essay

- construct an essay (introduction, body, conclusion, use subheadings where necessary)
- provide a high quality scholarly paper that flows logically and engages your reader
- use academic writing (3rd person, past tense, neuter, no slang terms, keep to the point)
- use APA (numbered) referencing
- keep to the word limit 1500 +/- 10%

For more detailed marking criteria please see the [Part B marking rubric HERE](#)

Please also watch the [Assessment Video 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** available 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 course 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.

A reference number is shown in superscript, after the full stop when at the end of a sentence, or after the comma when in the middle of a sentence. Each time you cite another authors work in your paper you must identify this source with the reference number (this is inserted where you would find any in-text reference). The reference number then appears in the reference list **in the order that they appeared within the text**. If you cite the same source again, you use the same reference number in all subsequent citations. Some examples are attached in the link below.

The reason I have asked you to do this extra step is to help prepare you for the research courses in year 4 (where you will be producing articles suitable for publication), and also for your career as a sonographer when you may be submitting articles for publication.

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

Assessment Due Date

Part A & B submitted together

Return Date to Students

Weighting

40%

Assessment Criteria

Part A & B are to be submitted together (40% of course total)

Please refer to Task Description information above

Please see [Part A marking rubric HERE](#)

Please see [Part B marking rubric HERE](#)

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

Referencing Style

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

Submission

Online

Submission Instructions

Submit via Moodle

Learning Outcomes Assessed

- Discuss the clinical presentation, sonographic appearance and aetiology of pathological processes of the gravid uterus and fetal development.
- Analyse normal and abnormal fetal development with reference to embryological development and laboratory findings.
- Analyse clinical scenarios to provide a differential diagnosis and produce a sonographic report.
- Apply sonographic techniques appropriate to obstetric ultrasound to produce a limited morphology study in a simulated environment.

Graduate Attributes

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

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