



# MEDI11003 *Relational Anatomy*

## Term 3 - 2019

Profile information current as at 06/04/2024 04:33 am

All details in this unit profile for MEDI11003 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.

### Corrections

#### Unit Profile Correction added on 30-03-20

The end of term examination has now been changed to an alternate form of assessment. Please see your Moodle site for details of the assessment.

### General Information

#### Overview

The unit examines the human body from a three-dimensional perspective. Each major anatomical structure is studied in terms of its spatial characteristics, both internally and relative to its surroundings, body planes and external landmarks. Relational anatomy knowledge is then applied to identification of those structures on medical images of a variety of modalities.

#### Details

Career Level: *Undergraduate*

Unit Level: *Level 1*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

#### Pre-requisites or Co-requisites

Prereq: BMSC11001 Human Body Systems 1 and Coreq: BMSC11002 Human Body Systems 2

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 3 - 2019

- Mixed Mode

#### 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).

#### Residential Schools

This unit has a Compulsory Residential School for distance mode students and the details are:

Click here to see your [Residential School Timetable](#).

#### 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. **On-campus Activity**

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 Conversations with and emails from students, and the unit evaluation survey

##### Feedback

Most students appreciated the lab activities and residential school, and found them to be useful learning activities.

##### Recommendation

Maintain the lab activities and residential school. Ensure activities remain aligned with learning goals and are relevant and engaging.

#### Feedback from Unit evaluation survey

##### Feedback

Some students commented that it was difficult to clearly see the models used in recorded lecture presentations due to the size of the presenter image and a CQU logo obscuring the presenter image.

##### Recommendation

Investigate methods recording lectures which use models as well as slides in order to maximise the usefulness of all learning and teaching opportunities.

#### Feedback from Conversations with students and the unit evaluation survey.

##### Feedback

Students appreciated that the content was contextualised to the medical imaging profession.

##### Recommendation

Maintain and improve contextualisation of the content, whilst ensuring that the unit does not become too narrow in its focus.

## Unit Learning Outcomes

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

1. Describe the typical shape, size, orientation and location of each major anatomical structure.
2. Express using correct terminology the spatial orientation of each major anatomical structure relative to its neighbouring structures, surface landmarks and body planes.
3. Identify major anatomical structures on anatomical drawings, anatomical sections and medical images.
4. Orient sectional images relative to orthogonal body planes and body regions.

MRPBA Accreditation Standards: Standard 6.5 a

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	2	3	4
1 - On-campus Activity - 40%	•	•	•	•

Assessment Tasks	Learning Outcomes			
	1	2	3	4
2 - 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 - On-campus Activity - 40%	•	•		•						
2 - Examination - 60%	•	•	•	•						

## Textbooks and Resources

### Textbooks

MEDI11003

#### Prescribed

#### Sectional Anatomy for Imaging Professionals

Edition: 4th (2018)

Authors: Kelley & Petersen

Mosby Elsevier

St. Louis , Missouri , USA

ISBN: 9780323414876

Binding: eBook

[View textbooks at the CQUniversity Bookshop](#)

### IT Resources

**You will need access to the following IT resources:**

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Zoom, Speakers

## Referencing Style

All submissions for this unit must use the referencing style: [Harvard \(author-date\)](#)

For further information, see the Assessment Tasks.

## Teaching Contacts

**Caroline Falconi** Unit Coordinator

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

## Schedule

### Week 1 - 11 Nov 2019

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Sectional Anatomy. The Spine.	Sectional Anatomy for Imaging Professionals Kelley & Petersen Chapters 1 & 4	Zoom tutorials to be agreed between students and unit coordinator.

### Week 2 - 18 Nov 2019

Module/Topic	Chapter	Events and Submissions/Topic
Upper and lower Limbs	Sectional Anatomy for Imaging Professionals Kelley & Petersen Chapter 9	Zoom tutorials to be agreed between students and unit coordinator

### Week 3 - 25 Nov 2019

Module/Topic	Chapter	Events and Submissions/Topic
The Thorax	Sectional Anatomy for Imaging Professionals Kelley & Petersen Chapter 6	Zoom tutorials to be agreed between students and unit coordinator

### Week 4 - 02 Dec 2019

Module/Topic	Chapter	Events and Submissions/Topic
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The Thorax	Sectional Anatomy for Imaging Professionals Kelley & Petersen Chapter 6	Zoom tutorials to be agreed between students and unit coordinator
<b>Vacation Week - 09 Dec 2019</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Break Week - Self directed revision		
<b>Week 5 - 16 Dec 2019</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
The Abdomen-Introduction/ Large Structures/ Vasculature	Sectional Anatomy for Imaging Professionals Kelley & Petersen Chapter 7	Zoom tutorials to be agreed between students and unit coordinator
<b>Week 6 - 23 Dec 2019</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
The Abdomen- Liver/Biliary & Spleen/Pancreas	Sectional Anatomy for Imaging Professionals Kelley & Petersen Chapter 7	Zoom tutorials to be agreed between students and unit coordinator
<b>Week 7 - 06 Jan 2020</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
The Abdomen-Urinary Tract/Digestive Tract	Sectional Anatomy for Imaging Professionals Kelley & Petersen Chapter 7	Zoom tutorials to be agreed between students and unit coordinator
<b>Week 8 - 13 Jan 2020</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
No new content		Zoom tutorials to be agreed between students and unit coordinator. Residential school on Friday 17th January for those who have selected this option. In-class test for students attending this residential school.
<b>Week 9 - 20 Jan 2020</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
The Pelvis	Sectional Anatomy for Imaging Professionals Kelley & Petersen Chapter 8	Zoom tutorials to be agreed between students and unit coordinator. Residential school on Thursday 23rd January for those who have selected this option. In-class test for students attending this residential school.
<b>Week 10 - 27 Jan 2020</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Cranium and brain	Sectional Anatomy for Imaging Professionals Kelley & Petersen Chapter 2	Zoom tutorials to be agreed between students and unit coordinator
<b>Week 11 - 03 Feb 2020</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Neck and facial bones	Sectional Anatomy for Imaging Professionals Kelley & Petersen Chapters 2 & 5	Zoom tutorials to be agreed between students and unit coordinator

**Week 12 - 10 Feb 2020**

Module/Topic	Chapter	Events and Submissions/Topic
Week 12: Revision		Zoom tutorials to be agreed between students and unit coordinator

**Exam Week - 17 Feb 2020**

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

The unit coordinator for MEDI11003 Relational Anatomy is Dr. Steve Littlefair

During the term I may be off campus or teaching another unit. For this reason the preferred method of initial contact is via email: s.littlefair@cqu.edu.au

It is important to budget your time effectively for this unit. You are expected to spend 150 hours of study for this unit over the term. The actual time spent per week may vary dependent on assessment requirements and revision.

You should expect to spend time on the following tasks:

Pre-reading of the content in preparation for your lecture - approximately 2 hours per week

Watching the lecture and taking notes - approximately 2 - 3 hours per week

Preparing for and attending the online tutorial - approximately 2 - 3 hours per week

Preparing for and completing lab activities, quizzes and the in-class test - approximately 15 hours before and during the residential school

Content revision and preparation for the examination - approximately 40 hours across the term.

## Assessment Tasks

### 1 Lab activity and in-class test

**Assessment Type**

On-campus Activity

**Task Description**

Radiographers are health professionals who are responsible for imaging human anatomy. As such, they are expected to be able to identify organs and structures in any cross-section and at any level in the body. The relative positions of organs may help to differentiate normal from abnormal body processes. In this task you are required to identify, describe and orient structures in the human body using terminology expected of a radiographer.

There are two (2) parts to this assessment.

**Part 1: Lab Activities**

The three (3) lab activities are a series of tasks where you will use the 3D anatomical models, diagnostic images and other lab resources to reinforce your knowledge of the location, size, orientation and relative positions of major structures studied during Weeks 1 - 6 and your use of professional terminology to communicate that knowledge. The lab-based activities are timetabled in the morning of your chosen residential school.

For each lab activity there is an associated on-line, time-limited quiz on the related theory material. Each quiz will have a set of questions related to anatomical photographs, and/or diagrams as well as radiographs and sectional images. Quiz questions may include labeling of anatomy and stating spatial relationships between structures. Quiz questions will be drawn at random from a question bank. Each quiz contributes 3 marks towards the overall total of 40 marks for this assessment piece.

You may attempt each quiz, before, during or after your lab session, but you will only get one attempt at each quiz. Once you open a quiz, you will have 15 minutes to complete it. You will not be able to pause or re-start a quiz once it has been opened. All quizzes will be available via the unit Moodle site up to the due date stated below.

You must undertake the quizzes as individuals and not with classmates or others. As with all other University assessments, colluding with other students on a non-group work task is considered academic misconduct and will be dealt with in accordance with the Student Academic Integrity policy. The quizzes are open-book, but be mindful of the time-limited nature of the quizzes.

#### Part 2:

The in-class test will assess your knowledge of the name, location, size, orientation and relative position of major structures studied during Weeks 1 - 6. Question tasks may include identifying and locating structures on anatomical models, diagrams and/or diagnostic images, describing morphological features of major structures and articulating spatial relationships between structures and body landmarks. The in-class test is a closed-book test of 90 minutes plus 5 minutes of perusal time.

The in-class test will be held on the afternoon of your selected residential school, which runs only at the Mackay Ooralea campus. The test must be completed at the scheduled time on the scheduled date. If you are more than 30 minutes late you will not be admitted to the test room.

The final mark for this assessment is the sum of the marks for the three (3) on-line quizzes and the mark for the in-class test, for a total of 40 marks.

In the absence of an approved assessment extension, if you do not complete all parts of this assessment by the stated due date and time, you will receive a mark of zero for each component(s) not completed. There is no provision for a late submission or a late submission penalty.

#### **Assessment Due Date**

Completed during the selected residential school (Friday 17th January or Thursday 23rd January)

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

Within two weeks of completion

#### **Weighting**

40%

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

50% of the available 40 marks

#### **Assessment Criteria**

For both the on-line quizzes and the in-class test, your responses are scored on the following criteria:

- correct spelling and use of professional terminology
- correctness, relevance and completeness of the response to the question asked.

The marks allocated per response will be indicated in the test question information.

#### **Referencing Style**

- [Harvard \(author-date\)](#)

#### **Submission**

Offline

#### **Learning Outcomes Assessed**

- Describe the typical shape, size, orientation and location of each major anatomical structure.
- Express using correct terminology the spatial orientation of each major anatomical structure relative to its neighbouring structures, surface landmarks and body planes.
- Identify major anatomical structures on anatomical drawings, anatomical sections and medical images.
- Orient sectional images relative to orthogonal body planes and body regions.

#### **Graduate Attributes**

- Communication
- Problem Solving
- Information Literacy



## 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

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