



LMED29007 Immunopathology 2

Term 2 - 2024

Profile information current as at 02/07/2025 11:06 am

All details in this unit profile for LMED29007 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

General Information

Overview

On completion of this unit you will be able to advise on the human immune system and its function in complex disease states. This includes autoimmune disorders, hypersensitivity reactions, microbiological infections and neoplastic diseases. You will also advise on the diagnostic use of antibodies, vaccine design and use of vaccines in disease prevention.

Details

Career Level: *Postgraduate*

Unit Level: *Level 9*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

Pre-requisites or Co-requisites

Prerequisite LMED28003 Immunopathology 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 2 - 2024

- Melbourne
- Online
- Rockhampton
- 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 Postgraduate 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. **Written Assessment**

Weighting: 20%

2. **Case Study**

Weighting: 30%

3. **Examination**

Weighting: 50%

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](#).

Unit Learning Outcomes

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

1. Apply deep knowledge of cells and tissues of the immune system to clinical contexts
2. Evaluate the moderation of the innate and adaptive immune systems in the immune response
3. Apply research of the pathogenesis of immune dysfunctions and the mechanism of action of their associated treatments
4. Analyse clinical cases of immunopathologies to derive a provisional diagnosis and suggest further testing to improve patient management.

Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	2	3	4
1 - Written Assessment - 20%	•	•	•	
2 - Case Study - 30%				•
3 - Examination - 50%	•	•		•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes			
	1	2	3	4
1 - Knowledge	◦	◦	◦	◦
2 - Communication	◦	◦	◦	◦
3 - Cognitive, technical and creative skills	◦	◦	◦	◦
4 - Research	◦	◦	◦	◦
5 - Self-management				
6 - Ethical and Professional Responsibility				
7 - Leadership				
8 - Aboriginal and Torres Strait Islander Cultures				

Textbooks and Resources

Textbooks

There are no required textbooks.

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: [Harvard \(author-date\)](#)
For further information, see the Assessment Tasks.

Teaching Contacts

Jason Steel Unit Coordinator
j.steel@cqu.edu.au

Schedule

Week 1 - 08 Jul 2024

Module/Topic	Chapter	Events and Submissions/Topic
Introduction to Immunology		

Week 2 - 15 Jul 2024

Module/Topic	Chapter	Events and Submissions/Topic
Hypersensitivity and Allergy		

Week 3 - 22 Jul 2024

Module/Topic	Chapter	Events and Submissions/Topic
Hypersensitivity and Allergy		

Week 4 - 29 Jul 2024

Module/Topic	Chapter	Events and Submissions/Topic
Autoimmune Diseases		

Week 5 - 05 Aug 2024

Module/Topic	Chapter	Events and Submissions/Topic
Autoimmune Diseases		

Vacation Week - 12 Aug 2024

Module/Topic	Chapter	Events and Submissions/Topic
No formal teaching		

Week 6 - 19 Aug 2024

Module/Topic	Chapter	Events and Submissions/Topic
Immunology of Cancers		Mid-semester assessment Due: Week 6 Monday (19 Aug 2024) 5:00 pm AEST

Week 7 - 26 Aug 2024

Module/Topic	Chapter	Events and Submissions/Topic
Immunology of Cancers		

Week 8 - 02 Sep 2024

Module/Topic	Chapter	Events and Submissions/Topic
Immunology of Cancers		Clinical case studies Due: Week 8 Friday (6 Sept 2024) 11:45 pm AEST

Week 9 - 09 Sep 2024

Module/Topic	Chapter	Events and Submissions/Topic
Immunodeficiencies		

Week 10 - 16 Sep 2024

Module/Topic	Chapter	Events and Submissions/Topic
Immunodeficiencies		

Week 11 - 23 Sep 2024

Module/Topic	Chapter	Events and Submissions/Topic
Self-directed study/ Exam revision		

Week 12 - 30 Sep 2024

Module/Topic	Chapter	Events and Submissions/Topic
Self-directed study/ Exam revision		

Review/Exam Week - 07 Oct 2024

Module/Topic	Chapter	Events and Submissions/Topic
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Exam Week - 14 Oct 2024

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

The unit coordinator is Dr. Jason Steel and can be contacted via email: j.steel@cqu.edu.au or phone: 07 4930 6391. Dr. Steel is a Rockhampton-based senior lecturer with over 20 years of research and teaching experience in the field of immunology.

General immunology knowledge is required for this unit. There is no prescribed textbook for the unit but all students should have access to Basic Immunology by Abul Abbas, Andrew Lichtman, Shiv Pillai for revision of basic immunology.

Lectures are pre-recorded and students are expected to engage with lecture content PRIOR to the tutorials. Attendance to tutorials are highly recommended.

As per Australian educational standards, you are expected to commit 150 hours of engagement to your study of this unit (~12.5hrs each week). Students are expected to spend time doing the following each week:

3 - 4 hours per week watching pre-recorded lectures and revising the content through study notes.

2 - 3 hours per week completing the weekly worksheet on the unit's Moodle site.

2 - 3 hours per week attending the weekly tutorials and reflecting on your answers to the weekly revision worksheets.

3 - 4 hours per week preparing for your assessments and end of term invigilated exam.

Assessment Tasks

1 Mid-semester assessment

Assessment Type

Written Assessment

Task Description

This assessment will examine your comprehension of the learning objectives and activities carried out from weeks 1 - 5 inclusive in the unit, including any pre-tutorial/lectorial learning materials such as the weekly lecture notes and related resources, peer-reviewed articles and other relevant resources provided with the unit content and covered during scheduled classes. The assessment may include (but not be limited to) some short answer questions, terminology questions, process and arrangement questions.

You will be provided with support and examples of the types of questions you are likely to encounter in this assessment during your scheduled classes; this will assist you in learning and understanding the expectations of this assessment. You are therefore strongly encouraged to regularly attend and actively participate in the weekly scheduled classes, ask questions where you are uncertain and ensure you come prepared for each class by having reviewed any pre-class learning material. If you still have questions or areas you do not understand following each weekly lectorial/tutorial class you will be encouraged to address these promptly by posting your questions on the Discussion forum and engaging in discussion on this/these topics with fellow students and academics, and the Unit coordinators.

Doing this will ensure you 'arrive' to this assessment well prepared and give yourself the best possibilities of performing well in and from this assessment.

Assessment Due Date

Week 6 Monday (19 Aug 2024) 5:00 pm AEST

Return Date to Students

2 weeks after submission

Weighting

20%

Assessment Criteria

A detailed marking criteria and marks allocated for each questions will be provided with this assessment. Marks will range from 1-2 marks for short responses and 4-5 marks where more detailed information will be required. You will be provided with support and examples of the types of questions you are likely to encounter in this assessment during your scheduled classes; this will assist you in learning and understanding the expectations of this assessment. You are therefore strongly encouraged to regularly attend and actively participate in the weekly scheduled classes, ask questions where you are uncertain and ensure you come prepared for each class by having reviewed any pre-class learning material. If you still have questions or areas you do not understand following each weekly lectorial/tutorial class you will be encouraged to address these promptly by posting your questions on the Discussion forum and engaging in discussion on this/these topics with fellow students and academics, and the Unit coordinators.

Referencing Style

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

Submission

Online

Learning Outcomes Assessed

- Apply deep knowledge of cells and tissues of the immune system to clinical contexts
- Evaluate the moderation of the innate and adaptive immune systems in the immune response
- Apply research of the pathogenesis of immune dysfunctions and the mechanism of action of their associated treatments

2 Clinical case studies

Assessment Type

Case Study

Task Description

Students will be presented with a clinical case(s) with immune implications.

Using knowledge of the immune system and its applications to disease, from the unit's content, coupled with literature research, students are to write a report outlining the clinical disease presented in the clinical case, the immune processes responsible for the clinical presentation, pathology testing to confirm the diagnosis, and the immune-modulating therapies (and how they work) that could be used to treat the disease.

Clinical case(s) and a detailed marking rubric will be provided via Moodle.

Assessment Due Date

Week 8 Friday (6 Sept 2024) 11:45 pm AEST

Return Date to Students

2 weeks after submission

Weighting

30%

Assessment Criteria

You will be assessed on the following criteria:

Identification of the disease

Accurate description of the immune processes involved in the development of the disease

Clear description of diagnostic tests to confirm the disease

Clear description of therapies (at least 1 immunotherapy and how it works) that could be used to treat the disease

Appropriate use of referencing of scientific literature

A detailed marking rubric will be available on the Moodle site for this unit.

Referencing Style

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

Submission

Online

Learning Outcomes Assessed

- Analyse clinical cases of immunopathologies to derive a provisional diagnosis and suggest further testing to improve patient management.

Examination**Outline**

Complete an invigilated examination.

Date

During the examination period at a CQUniversity examination centre.

Weighting

50%

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