



# PODI13015 Advanced Pharmacology for Podiatry Practice

## Term 2 - 2023

Profile information current as at 19/04/2024 01:26 pm

All details in this unit profile for PODI13015 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

The unit will be divided into two main components: pharmacotherapeutics and anaesthesia specific to podiatry practice. In pharmacotherapeutics you will gain understanding of schedule 2, 3, 4 and 8 medicines administered in common diseases seen in podiatry practice and learn further of their role in management of disease. In anaesthesia, you will gain advanced knowledge of anaesthetics pertinent to podiatry practice. Topics covered will include pre-surgical history and physical assessment, informed consent, charting, maximum safe dose, and injection instrumentation. You will also begin to practice injection technique in a simulated setting.

### 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: PODI13007 Clinical Practice 2; BMSC13010 Pharmacology; MPAT12001 Medical Pathophysiology - and

Corequisite: PODI13011 Clinical Practice 3

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 - 2023

- Rockhampton

### 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. **Objective Structured Clinical Examinations (OSCEs)**

Weighting: 30%

#### 2. **Written Assessment**

Weighting: 20%

#### 3. **Take Home Exam**

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](#).

## 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 coordinator reflection, Staff feedback

##### Feedback

Strategies for improving engagement with live lectures should be explored with the aim of improving student performance in this unit.

##### Recommendation

It is recommended that the Unit Coordinator for subsequent offerings explores strategies to improve student engagement with live lectures.

## Unit Learning Outcomes

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

1. Summarise the major classes of therapeutic drugs that affect the primary systems of the body, including identifying the barriers to suitable pharmacotherapy, describing the mechanisms of drug action and the potential for drug-to-drug interactions
2. Evaluate schedule 2, 3, 4 and 8 medicines prescribed and administered for the treatment of disease states encountered in the scope of podiatry practice
3. Examine legal, ethical and professional responsibilities associated with prescription and administration of medications within podiatry
4. Develop an anaesthetic plan based on a physical examination that includes: appropriate drug selection; correct dose calculation; appropriate method of drug administration; and other supportive care
5. Integrate an evidence based approach in pharmacological practice within podiatry.

Per NPC1303

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes				
	1	2	3	4	5
1 - Objective Structured Clinical Examinations (OSCEs) - 30%	•			•	
2 - Written Assessment - 20%		•	•		•
3 - Take Home Exam - 50%	•	•	•	•	•

### 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 - Objective Structured Clinical Examinations (OSCEs) - 30%	•	•	•	•		•	•	•		
2 - Written Assessment - 20%	•	•	•	•	•	•	•	•		
3 - Take Home Exam - 50%	•	•	•	•		•	•	•		

## 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)
- Zoom (both microphone and webcam capability)

## Referencing Style

All submissions for this unit must use the referencing style: [American Psychological Association 7th Edition \(APA 7th edition\)](#)

For further information, see the Assessment Tasks.

## Teaching Contacts

**Ahmad Al Rady** Unit Coordinator

[a.alrady@cqu.edu.au](mailto:a.alrady@cqu.edu.au)

## Schedule

### Week 1- Introduction & Revision of Pharmacodynamics and Pharmacokinetics - 10 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
This lecture introduces the unit, revises pharmacodynamics and pharmacokinetics, and discusses Australia's drugs and poisons legislation relevant to prescribing podiatrists.		

### Week 2- Polypharmacy & Complications - 17 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
This lecture explores the concept of polypharmacy, its complications, and the specific implications of cardiovascular and lipid-modifying medications within podiatry practice.		

### Week 3- Pharmacology of Antibacterial Agents - 24 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
This lecture provides an in-depth view of the pharmacology of antibacterial agents, with a focus on managing common foot bacterial infections such as gram positive/negative bacteria, infected onychocryptosis and pitted keratolysis.		

### Week 4- Pharmacology of Antimycotic agents - 31 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
This lecture delves into the pharmacology of antimycotic agents, specifically focusing on the most common types and presentations of mycotic infections affecting the foot.		

### Week 5- Pharmacology of Local Anaesthetics and Associated Emergency Medications - 07 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic
This lecture focuses on the pharmacological properties of local anaesthetics, coupled with overview of related emergency drugs commonly used in podiatry.		<b>Objective Structured Clinical Examinations (OSCEs)</b> Due: Week 5 Tuesday (8 Aug 2023) 11:00 am AEST <b>Written Assessment</b> Due: Week 5 Tuesday (8 Aug 2023) 11:00 am AEST

### Week 6- Pharmacology of Anti-inflammatory Agents - 14 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic
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This lecture delves into the pharmacological mechanisms and clinical applications of anti-inflammatory agents, providing insights into their usage within podiatry.

#### **Week 7- Pharmacology of Analgesic Agents - 21 Aug 2023**

Module/Topic	Chapter	Events and Submissions/Topic
This lecture investigates the pharmacology of analgesic agents, highlighting their mechanisms of action and practical applications in pain management within podiatry.		

#### **Week 8- Pharmacology of Anti-histamines and Anti-anxiety Medication - 28 Aug 2023**

Module/Topic	Chapter	Events and Submissions/Topic
In this lecture, the focus lies on the pharmacology of anti-histamines and anti-anxiety medications, exploring their use, effects, and relevance to podiatric practices.		

#### **Week 9- Pharmacology in Rheumatic Conditions - 04 Sep 2023**

Module/Topic	Chapter	Events and Submissions/Topic
This lecture will delve into the pharmacological management of rheumatic conditions such as gout and osteoarthritis, and its implications for podiatry.		

#### **Week 10- Revision - 11 Sep 2023**

Module/Topic	Chapter	Events and Submissions/Topic
Revision week.		

#### **Week 11- Self-Directed Learning - 18 Sep 2023**

Module/Topic	Chapter	Events and Submissions/Topic
Self-Directed Learning		

#### **Week 12- Self-directed Learning - 25 Sep 2023**

Module/Topic	Chapter	Events and Submissions/Topic
Self-directed Learning.		

#### **Week 13- Exam Week - 02 Oct 2023**

Module/Topic	Chapter	Events and Submissions/Topic
Take Home Exam (Invigilated online).		<b>Take Home Exam</b> Due: Week 12 Tuesday (3 Oct 2023) 9:00 am AEST

## **Assessment Tasks**

### **1 Objective Structured Clinical Examinations (OSCEs)**

#### **Assessment Type**

Objective Structured Clinical Examinations (OSCEs)

#### **Task Description**

The Objective Structured Clinical Examination (OSCE) will include both written and practical stations of up to 15 minutes in length.

- The OSCE will last for up to 75 minutes.
- All assessments may be video and/or audio-recorded for moderation purposes.

- You are expected to arrive at least 15 minutes before the allocated start time for the OSCE and to wear full clinical uniform with enclosed shoes.
- The OSCE is closed book.

More details and information regarding the on campus activities will be made available at the start of term.

#### **Assessment Due Date**

Week 5 Tuesday (8 Aug 2023) 11:00 am AEST

Will be held during Tutorial Time.

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

Week 7 Tuesday (29 Aug 2023)

Results will be released following the finalisation of grading of all student OSCEs.

#### **Weighting**

30%

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

50%

#### **Assessment Criteria**

Assessment criteria for OSCE: In order to be eligible to PASS the OSCE you must achieve a minimum overall grade of 50% for the OSCE.

If you do not meet the above criterion of a minimum overall grade of 50%, you may be eligible for a supplementary assessment providing you meet the requirements as stipulated in the CQUniversity Grades and Results Procedure and this will be determined by the Unit Coordinator.

If you are granted a supplementary assessment then the maximum grade that you can receive is a pass (P) irrespective of how well you performed in the supplementary exam.

#### **Referencing Style**

- [American Psychological Association 7th Edition \(APA 7th edition\)](#)

#### **Submission**

Offline

#### **Learning Outcomes Assessed**

- Summarise the major classes of therapeutic drugs that affect the primary systems of the body, including identifying the barriers to suitable pharmacotherapy, describing the mechanisms of drug action and the potential for drug-to-drug interactions
- Develop an anaesthetic plan based on a physical examination that includes: appropriate drug selection; correct dose calculation; appropriate method of drug administration; and other supportive care

#### **Graduate Attributes**

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

## **2 Written Assessment**

#### **Assessment Type**

Written Assessment

#### **Task Description**

The written assessment will be in the form of an essay. The topic will be specific to pharmacology and podiatry practice and will be provided to you by the Unit Coordinator. You will be expected to review the relevant literature in order to establish the current knowledge of the particular topic(s). Further details regarding this assessment task will be provided in Moodle.

#### **Assessment Due Date**

Week 5 Tuesday (8 Aug 2023) 11:00 am AEST

to be submitted via Moodle.

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

Week 7 Tuesday (29 Aug 2023)

Results will be released two weeks after assessment via Moodle.

**Weighting**

20%

**Assessment Criteria**

This assessment task is marked according to how well you have met the specified requirements, and in accordance with the assessment criteria to be made available in Moodle.

**Referencing Style**

- [American Psychological Association 7th Edition \(APA 7th edition\)](#)

**Submission**

Online

**Learning Outcomes Assessed**

- Evaluate schedule 2, 3, 4 and 8 medicines prescribed and administered for the treatment of disease states encountered in the scope of podiatry practice
- Examine legal, ethical and professional responsibilities associated with prescription and administration of medications within podiatry
- Integrate an evidence based approach in pharmacological practice within podiatry.

**Graduate Attributes**

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

### 3 Take Home Exam

**Assessment Type**

Take Home Exam

**Task Description**

The examination will cover all content taught during term and will be invigilated online. Further information will be provided in Moodle.

**Assessment Due Date**

Week 12 Tuesday (3 Oct 2023) 9:00 am AEST

**Return Date to Students**

Review/Exam Week Tuesday (10 Oct 2023)

Results will be released prior to the finalisation of grades.

**Weighting**

50%

**Minimum mark or grade**

50%

**Assessment Criteria**

The Take Home Exam will assess all content covered from Weeks 1-10.

Students must demonstrate that you have gained knowledge and skill in advanced pharmacology and understand the pharmacotherapeutics relevant to podiatric practice.

**Referencing Style**

- [American Psychological Association 7th Edition \(APA 7th edition\)](#)

**Submission**

Online

**Learning Outcomes Assessed**

- Summarise the major classes of therapeutic drugs that affect the primary systems of the body, including identifying the barriers to suitable pharmacotherapy, describing the mechanisms of drug action and the potential



- for drug-to-drug interactions
- Evaluate schedule 2, 3, 4 and 8 medicines prescribed and administered for the treatment of disease states encountered in the scope of podiatry practice
- Examine legal, ethical and professional responsibilities associated with prescription and administration of medications within podiatry
- Develop an anaesthetic plan based on a physical examination that includes: appropriate drug selection; correct dose calculation; appropriate method of drug administration; and other supportive care
- Integrate an evidence based approach in pharmacological practice within podiatry.

#### **Graduate Attributes**

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