



# PODI13015 Advanced Pharmacology for Podiatry Practice

## Term 2 - 2017

Profile information current as at 15/05/2024 06:17 am

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

This unit will be divided into two main components: pharmacotherapeutics and anaesthesia specific to podiatry practice. In pharmacotherapeutics the student will gain understanding of S2, S3, S4 and S8 medicines administered in common diseases seen in podiatry practice and learn further of their role in management of disease. In anaesthesia, the student 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. Students 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 - 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 - 2017

- 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 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: 30%

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

Weighting: 20%

#### 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](#).

## 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 Feedback - Have Your Say Staff Self Reflection

##### Feedback

It might be of more benefit having advanced pharmacology being offered sooner after completion of the first general pharmacology subject.

##### Recommendation

Whilst this would be ideal, it is difficult to move the course any earlier as it is aligned to run before the surgery course, which is a level 4 course. Students, however have opportunity to put into practice their base knowledge of pharmacology taught in the earlier years during clinical placements throughout the program.

#### Feedback from Student Feedback - Have Your Say

##### Feedback

Great course. Mostly relevant material. I loved the weekly tutorials.

##### Recommendation

Weekly tutorials will continue to be included in future course deliveries to help students gain a deep understanding of the weekly topics and to supplement student learning.

## 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.
2. Analyse the barriers to suitable pharmacotherapy.
3. Evaluate S2, S3, S4 and S8 medicines prescribed and administered for the treatment of disease states encountered in the scope of podiatry practice.
4. Describe the mechanisms of drug action and the potential for drug to drug interactions.
5. Examine legal, ethical and professional responsibilities associated with prescription and administration of medications within podiatry.
6. Students will use the basic pharmacology of anaesthetic drugs as taught previously.
7. 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.
8. 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	6	7	8
1 - Practical and Written Assessment - 30%	•	•	•	•	•	•	•	
2 - Written Assessment - 20%		•			•			•

Assessment Tasks	Learning Outcomes							
	1	2	3	4	5	6	7	8
3 - Examination - 50%	•	•	•	•	•	•	•	

## Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes							
	1	2	3	4	5	6	7	8
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 - 30%	•	•	•	•		•	•	•		
2 - Written Assessment - 20%	•	•	•	•	•	•	•	•		
3 - Examination - 50%	•	•	•	•		•	•	•		

## Textbooks and Resources

### Textbooks

PODI13015

#### Prescribed

##### **Australian Medicines Handbook 2015**

1st edition (2015)

Authors: AMH

Australian Medicines

Australia

ISBN: 9780987550156

Binding: Hardcover

PODI13015

#### Prescribed

##### **Pharmacology for Health Professionals**

4th edition (2014)

Authors: Bryant & Knights

Mosby Australia

Australia

ISBN: 9780729541701

Binding: Hardcover

[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

**Katrina Reynolds** Unit Coordinator  
[katrina.reynolds@cqu.edu.au](mailto:katrina.reynolds@cqu.edu.au)

## Schedule

### **Week 1 - 10 Jul 2017**

Module/Topic	Chapter	Events and Submissions/Topic
Revision of Pharmacodynamics.		

### **Week 2 - 17 Jul 2017**

Module/Topic	Chapter	Events and Submissions/Topic
Revision of Pharmacokinetics.		

### **Week 3 - 24 Jul 2017**

Module/Topic	Chapter	Events and Submissions/Topic
--------------	---------	------------------------------

Drugs and poisons legislation in the States and Territories of Australia.  
Discussion of drugs able to be administered & prescribed by suitably qualified podiatrists including ethical and professional responsibilities.

#### Week 4 - 31 Jul 2017

Module/Topic	Chapter	Events and Submissions/Topic
Detailed pharmacology of local anaesthetic agents and related-emergency (anaphylactic reactions) drugs.		

#### Week 5 - 07 Aug 2017

Module/Topic	Chapter	Events and Submissions/Topic
Theoretical and practical basis of an anaesthetic plan including review of local anaesthetic types, patient factors for consideration, and potential interaction with other medicines.		

#### Vacation Week - 14 Aug 2017

Module/Topic	Chapter	Events and Submissions/Topic
--------------	---------	------------------------------

#### Week 6 - 21 Aug 2017

Module/Topic	Chapter	Events and Submissions/Topic
Review of neuro-anatomy of the foot and ankle; digital nerve block procedures and the theory of giving safe injections.		

#### Week 7 - 28 Aug 2017

Module/Topic	Chapter	Events and Submissions/Topic
Safe injection administration clinical skills.		<b>Written Assessment</b> Due: Week 7 Friday (1 Sept 2017) 11:45 pm AEST

#### Week 8 - 04 Sep 2017

Module/Topic	Chapter	Events and Submissions/Topic
Detailed pharmacology of anti-mycotic agents.		

#### Week 9 - 11 Sep 2017

Module/Topic	Chapter	Events and Submissions/Topic
Detailed pharmacology of anti-bacterial agents.		

#### Week 10 - 18 Sep 2017

Module/Topic	Chapter	Events and Submissions/Topic
Detailed pharmacology of anti-inflammatory and pain management agents.		

#### Week 11 - 25 Sep 2017

Module/Topic	Chapter	Events and Submissions/Topic
Detailed pharmacology of anti-histamines.		

#### Week 12 - 02 Oct 2017

Module/Topic	Chapter	Events and Submissions/Topic
--------------	---------	------------------------------

Detailed pharmacology of anti-anxiety drugs.

#### Review/Exam Week - 09 Oct 2017

Module/Topic	Chapter	Events and Submissions/Topic
--------------	---------	------------------------------

#### Exam Week - 16 Oct 2017

Module/Topic	Chapter	Events and Submissions/Topic
--------------	---------	------------------------------

## Term Specific Information

**Attendance:** As per the University's recommendation that "All on-campus students are expected to attend scheduled classes," students should also be aware that there is clear evidence to show that attendance rates are directly related to academic progress. It is therefore in your best interest and strongly recommended in the Bachelor of Podiatry Practice (Honours) course, that you attend all scheduled learning activities to support your learning. Attendance will be recorded.

**Uniform:** In all practical classes, students are required to wear the nominated uniform. Students must purchase their uniform from the bookshop. This uniform is separate to the mandatory clinical uniform. Please refer to the Podiatry Course Handbook for further detail.

## Assessment Tasks

### 1 Practical and Written Assessment

#### Assessment Type

Practical and Written Assessment

#### Task Description

This assessment is an objective structured clinical examination (OSCE). There will be four (4) stations each designed to assess your knowledge and skills acquired during this course. There will be a combination of written answer and observer assessed stations. Further detail for this assessment task will be made available via the course Moodle site during term.

#### Assessment Due Date

Coordinated across campus(es) - date to be advised during term.

#### Return Date to Students

Results will be released approximately 3 weeks after the close of the assessment.

#### Weighting

30%

#### Assessment Criteria

The assessment details for this assessment task will be made available during the term in Moodle.

#### Referencing Style

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

#### Submission

Offline

#### Submission Instructions

Hard Copy, In Person.

#### Learning Outcomes Assessed

- Summarise the major classes of therapeutic drugs that affect the primary systems of the body.
- Analyse the barriers to suitable pharmacotherapy.
- Evaluate S2, S3, S4 and S8 medicines prescribed and administered for the treatment of disease states encountered in the scope of podiatry practice.
- Describe the mechanisms of drug action and the potential for drug to drug interactions.
- Examine legal, ethical and professional responsibilities associated with prescription and administration of

- medications within podiatry.
- Students will use the basic pharmacology of anaesthetic drugs as taught previously.
- 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**

Students will be required to submit a written assessment in the form of an essay pertinent to the use of advanced pharmacology in podiatry practice. This assessment task will allow an in-depth exploration of a particular podiatric condition of choice concerning pharmacological management using multiple sources of evidence. Further details regarding this assessment task will be provided in Moodle in the early weeks of the term.

#### **Assessment Due Date**

Week 7 Friday (1 Sept 2017) 11:45 pm AEST

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

Week 10 Friday (22 Sept 2017)

#### **Weighting**

20%

#### **Assessment Criteria**

Further details regarding this assessment task will be provided in the early weeks of the term. The marking guide (rubric) and feedback sheet will be made available under the 'Assessment' tab in Moodle.

Note: APA referencing system is used for all written assessments. In-text citations are counted as part of the word count for assessment purposes. Penalties will be applied where those strict word limits are exceeded (+/- 10%). If the assessment item exceeds 10%, the content will not be assessed by the examiner (excludes tables, appendices and references where applicable). If you are late submitting your assignment – each day incurs a 5% penalty.

#### **Referencing Style**

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

#### **Submission**

Online

#### **Learning Outcomes Assessed**

- Analyse the barriers to suitable pharmacotherapy.
- 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



## Examination

### Outline

Complete an invigilated examination.

### Date

During the examination period at a CQUniversity examination centre.

### Weighting

50%

### Length

180 minutes

### 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