



# PMSC13003 *Pharmacology in Paramedic Practice*

## Term 3 - 2019

Profile information current as at 03/05/2024 11:29 pm

All details in this unit profile for PMSC13003 have been officially approved by CQUUniversity 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

You will develop an understanding of pharmacotherapy in paramedic practice through investigation of the appropriate use of pharmacological interventions in patient management. You will develop knowledge of specific medications common to patients requiring care by paramedics, as well as skills to calculate medication dosages through a series of coursework and case management exercises.

#### 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

Pre requisites: PMSC12001 Procedures and Skills in Paramedic Care and Co requisites: PHRM19001 Pharmacology and Toxicology or BMSC13010 Pharmacology

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

- Online

#### 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. **Presentation and Written Assessment**

Weighting: 50%

#### 2. **Online Quiz(zes)**

Weighting: 25%

#### 3. **Online Quiz(zes)**

Weighting: 25%

### 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 Moodle feedback.

##### **Feedback**

Include answers to the weekly questions that are embedded within lectures.

##### **Recommendation**

Answers to the lecture questions will be provided as additional content. This was not initially done as students were instead encouraged to discuss these questions on the discussion forums and within Zoom sessions; however engagement with both was poor.

#### Feedback from Moodle feedback.

##### **Feedback**

Whilst students appreciated detailed feedback on the written task, assessment feedback was delayed.

##### **Recommendation**

The written task was given individualised feedback in a lot of detail to best enable students to improve their writing skills. The detail was appreciated by students and has helped them produce quality submissions for student research competition, but it does however consume a lot of time in marking. The rubric for the written task will be adjusted to rely less upon individualised narrative feedback and improve marking turnaround. Students will be advised to contact the Lecturer directly if they do wish for greater detail feedback or further explanation of specific points.

#### Feedback from Moodle feedback.

##### **Feedback**

Presentation of pathophysiology material for each weekly topic preceding lectures on drug therapy protocols for that topic was very useful in helping to link patient presentation with treatment.

##### **Recommendation**

We will continue to use this approach in lectures.

#### Feedback from Moodle feedback.

##### **Feedback**

Students appreciated the opportunity to submit the major written assessment piece as a draft to the Lecturer for general feedback on areas to improve.

##### **Recommendation**

We will continue to offer formative feedback on the major written task.

## Unit Learning Outcomes

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

1. Describe the indications, pharmacokinetics, actions, routes of administration, contraindications, side effects and precautions of medications and fluids administered by paramedics, and how you would evaluate the effects of administration
  2. Correctly calculate drug doses for the administration of paramedic medications
  3. Discuss the implications of renal or hepatic dysfunction, pregnancy and extremes of age on drug administration in the paramedic context
  4. Research and justify the most effective pharmacological treatment options in the pre-hospital context.
1. The educational institution **must** demonstrate it has developed a paramedic education course that provides students with the educational base for a graduate appropriate to the level of qualification to be attained, the specified level of competence to meet the requirements for employment as an entry level paramedic.
  2. The educational course / curriculum requirements for work readiness **must** be determined by the curriculum / course development committee through consultation with all major stakeholders in particular, the principal ambulance services in Australia and New Zealand represented by the CAA.
  3. The educational course / curriculum requirements to meet the work readiness requirements of the principal ambulance services in Australia and NZ and **should** be reviewed on a regular basis as part of a formal paramedic education course review process.
  4. Given the complex nature of out of hospital, unscheduled care and the diversity of health care situations encountered, Paramedics **must** be well educated, skilled and knowledgeable practitioners in a range of subjects and be able to appraise and adopt an enquiry-based approach to the delivery of care
  5. Paramedic education courses **should** produce graduates with an educational base and attributes appropriate to the level of qualification attained and specified level of competence required. These objectives and attributes **must** be clearly described for each course being assessed.

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



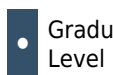
N/A  
Level



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
1 - Presentation and Written Assessment - 50%	•			•
2 - Online Quiz(zes) - 25%		•		
3 - Online Quiz(zes) - 25%	•		•	

### Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes			
	1	2	3	4
1 - Communication	•		•	•
2 - Problem Solving			•	•

Graduate Attributes	Learning Outcomes			
	1	2	3	4
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 - Presentation and Written Assessment - 50%	•	•	•	•		•		•		
2 - Online Quiz(zes) - 25%			•	•						
3 - Online Quiz(zes) - 25%	•	•	•	•				•		

## Textbooks and Resources

### Textbooks

PMSC13003

#### Prescribed

#### Pharmacology for Health Professionals

Edition: 5e (2019)

Authors: Bryant, Knights, Darroch, & Rowland

Elsevier

Chatswood , NSW , Australia

ISBN: 978-0-7295-4275-3

Binding: Paperback

[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

**Lisa Hurring** Unit Coordinator

[l.hurring@cqu.edu.au](mailto:l.hurring@cqu.edu.au)

## Schedule

### Week 1 - 11 Nov 2019

Module/Topic	Chapter	Events and Submissions/Topic
<b>Fundamentals of pharmacology I</b> <ul style="list-style-type: none"><li>• Introduction to drugs and medicines</li><li>• Pharmacodynamics and drug action</li><li>• Pharmacokinetics and drug metabolism</li></ul>	<b>Textbook:</b> <ul style="list-style-type: none"><li>• Chapter 1: Drugs and medicines, pp.2-35</li><li>• Chapter 4: Molecular drug targets &amp; pharmacodynamics, pp.103-116</li><li>• Chapter 5: Drug absorption, distribution, metabolism &amp; excretion, pp.117-137</li></ul> <b>Please check Moodle for related DTPs and additional readings</b>	

### Week 2 - 18 Nov 2019

Module/Topic	Chapter	Events and Submissions/Topic
<b>Fundamentals of pharmacology II</b> <ul style="list-style-type: none"><li>• Relationship between pharmacokinetics and dosing regimens</li><li>• Adverse drug reactions and drug interactions</li><li>• Over the counter (OTC) medicines and complementary therapies</li><li>• Drug calculations and administration safety</li></ul>	<b>Textbook:</b> <ul style="list-style-type: none"><li>• Chapter 7: Pharmacokinetics and dosing regimen, pp.150-158</li><li>• Chapter 8: Adverse drug reactions and drug interactions, pp.163-171</li><li>• Chapter 3: Over-the-counter drugs and complementary therapies, pp.79-102</li><li>• Appendix 3: Common abbreviations and symbols used in prescriptions, pp.990-991 (for reference)</li><li>• Appendix 4: Dose calculation examples, pp.992-997 (for reference)</li></ul> <b>Please check Moodle for related DTPs and additional readings</b>	

### Week 3 - 25 Nov 2019

Module/Topic	Chapter	Events and Submissions/Topic
<b>The essentials</b> <ul style="list-style-type: none"><li>• Oxygen</li><li>• Sodium chloride 0.9%</li><li>• Water for injection</li><li>• Adrenaline</li></ul>	<b>Textbook:</b> <ul style="list-style-type: none"><li>• Chapter 26: Drugs used in respiratory disorders, pp.579-582 (medical gasses section)</li><li>• Chapter 10: Sympathetic nervous system and adrenergic drugs, pp.204-210 (read to start of 'noradrenaline' plus the adrenaline monograph)</li><li>• Appendix 4: Dose calculation examples, pp.992-997 (review)</li></ul> <b>Please check Moodle for related DTPs and additional readings</b>	

## Week 4 - 02 Dec 2019

Module/Topic	Chapter	Events and Submissions/Topic
<b>Analgesics</b> <ul style="list-style-type: none"><li>• Fentanyl</li><li>• Morphine</li><li>• Naloxone</li><li>• Methoxyflurane</li><li>• Paracetamol</li><li>• Ibuprofen</li><li>• Sucrose 24%</li></ul>	<b>Textbook:</b> <ul style="list-style-type: none"><li>• Chapter 3: Over-the-counter drugs and complementary therapies, p.83 (review paracetamol monograph)</li><li>• Chapter 12: Analgesics, pp.263-293</li><li>• Complete all review exercises at the end of chapter 12</li><li>• Chapter 11: Central nervous system overview and anaesthetics, pp.236-248 (general anaesthesia section; read to end of lifestyle factors)</li><li>• Chapter 40: Antiinflammatory and immunomodulating drugs, pp.880-886 (read to end NSAIDs section)</li></ul> <b>Please check Moodle for related DTPs and additional readings</b>	

## Vacation Week - 09 Dec 2019

Module/Topic	Chapter	Events and Submissions/Topic
<b>Vacation week reminders:</b> <ul style="list-style-type: none"><li>• <b>Have you looked through the details for the Written Report assessment task?</b> If not, use this time to research your drug choice and to ensure that the task overall makes sense to you.</li><li>• <b>Have you completed the Drug Calculations Worksheet?</b> These example questions are typical of the Drug Calculations online quiz, so do complete this and ensure that you are confident with drug calculations. Attempt the worksheet <i>before</i> watching the Zoom session solving these questions!</li><li>• <b>Have you watched all of the Zoom session recordings?</b> Take the opportunity to catch up with any missed sessions or unread readings during teaching downtime!</li><li>• <b>Checked off all of the above?</b> Good for you! Consider looking ahead at Week Five as this is another heavy week of dense content.</li></ul>	<b>Vacation week readings:</b> <ul style="list-style-type: none"><li>• If you are up to date on all textbook readings, take this time to read Grab Bag resources if you have not already done so. Doing so will take you back over previous weeks' content whilst still giving new information, assisting in mid-term revision.</li></ul>	You are on vacation, but your Lecturer is not. Feel free to email with any questions relating to the unit content or assessment tasks, particularly the Written Report; this major task always takes students longer than they expect! Getting ahead now will leave you room to relax and enjoy yourself over the silly season. :)

## Week 5 - 16 Dec 2019

Module/Topic	Chapter	Events and Submissions/Topic
<b>Cardiovascular and acute coronary syndrome drugs</b> <b>Vasodilators:</b> <ul style="list-style-type: none"><li>• Glyceryl trinitrate</li></ul> <b>Antiplatelets:</b> <ul style="list-style-type: none"><li>• Aspirin</li><li>• Clopidogrel</li><li>• Ticagrelor</li></ul> <b>Anticoagulants:</b> <ul style="list-style-type: none"><li>• Enoxaparin</li><li>• Heparin</li></ul> <b>Fibrinolytics:</b> <ul style="list-style-type: none"><li>• Tenecteplase</li></ul>	<b>Textbook:</b> <ul style="list-style-type: none"><li>• Chapter 21: Drugs affecting vascular smooth muscle, pp.263-293 (read to end organic nitrates section plus GTN monograph)</li><li>• Chapter 24: Drugs affecting thrombosis and haemostasis, pp.547-564</li></ul> <b>Please check Moodle for related DTPs and additional readings; you MUST study this week's content in association with ALL related CPGs and CPPs!</b>	

## Week 6 - 23 Dec 2019

Module/Topic	Chapter	Events and Submissions/Topic
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**Drugs for respiratory, allergic, and adrenal conditions**

**Respiratory drugs:**

- Salbutamol
- Ipratropium bromide

**Glucocorticoids:**

- Hydrocortisone

**Antihistamines:**

- Loratadine

**Textbook:**

• Chapter 26: Drugs used in respiratory disorders, multiple sections as follows:

- pp.573-581 (read to end oxygen free radicals section)
- pp.588-594 (read from asthma section up to end short-acting B2 agonists section plus salbutamol monograph)
- p.596 (anticholinergics and ipratropium bromide)
- pp.599-608 (asthma key points box onwards)

• Chapter 29: Pharmacology of the adrenal cortex, pp.659-665 (read to end of indications for glucocorticoids)

• Chapter 40: Antiinflammatory and immunomodulating drugs, pp.896-899 (histamine and histamine-receptor antagonists section)

**Please check Moodle for related DTPs and additional readings**

**Week 7 - 06 Jan 2020**

Module/Topic	Chapter	Events and Submissions/Topic
<b>CNS drugs and anti-emetics</b> <b>CNS drugs:</b> <ul style="list-style-type: none"> <li>• Midazolam</li> <li>• Droperidol</li> </ul> <b>Antiemetics:</b> <ul style="list-style-type: none"> <li>• Ondanestron</li> </ul>	<b>Textbook:</b> <ul style="list-style-type: none"> <li>• Chapter 13: Antianxiety, sedative and hypnotic drugs, pp.294-305 (read to end benzodiazepines section plus benzodiazepines key points box)</li> <li>• Chapter 14: Antiepileptic drugs, two sections as follows: <ul style="list-style-type: none"> <li>◦ pp.311-316 (read to end of elderly subsection)</li> <li>◦ pp.319-320 (antiepileptic drugs section to end benzodiazepines subsection)</li> </ul> </li> <li>• Chapter 15: Psychotropic agents, pp.331-342 (read to end droperidol subsection)</li> <li>• Chapter 27: Drugs affecting the upper and lower GI tract, pp.626-630 (read the vomiting reflex section to end of 5-HT3 antagonists subsection plus the vomiting key points box)</li> </ul> <b>Please check Moodle for related DTPs and additional readings</b>	

**Week 8 - 13 Jan 2020**

Module/Topic	Chapter	Events and Submissions/Topic
<b>Hyperglycaemic agents and other hormones</b> <b>Hyperglycaemic agents:</b> <ul style="list-style-type: none"> <li>• Glucose gel</li> <li>• Glucose 10%</li> <li>• Glucagon</li> </ul> <b>Uterotonic agents:</b> <ul style="list-style-type: none"> <li>• Oxytocin</li> </ul>	<b>Textbook:</b> <ul style="list-style-type: none"> <li>• Chapter 30: Pharmacology of the endocrine pancreas, pp.672-680 (read to end glucagon section)</li> <li>• Chapter 28: The neuroendocrine system and pituitary gland, pp.655-656 (read to end of oxytocin subsection and clinical interest box)</li> </ul> <b>Please check Moodle for related DTPs and additional readings</b>	<b>Literature review report</b> Due: Week 8 Monday (13 Jan 2020) 11:59 pm AEST

**Week 9 - 20 Jan 2020**

Module/Topic	Chapter	Events and Submissions/Topic
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**Antivenoms, antidotes, antifibrinolytics, and antibiotics  
Drugs for environmental emergencies:**

- Box jellyfish antivenom
- Magnesium sulphate
- Hydroxocobalamin

**Antifibrinolytics:**

- Tranexamic acid

**Antibiotics:**

- Ceftriaxone

**Textbook:**

- Chapter 44: Envenomation and antivenoms, pp.961-970 (read to end glucagon section)
- Chapter 37: Antibacterial drugs, pp.824-829 (read to end of cephalosporin subsection)

**Please check Moodle for related DTPs and additional readings**

**Week 10 - 27 Jan 2020**

Module/Topic	Chapter	Events and Submissions/Topic
<b>Review period</b> <b>Bonus content: the CCP drug kit</b>	<b>No readings</b>	<b>Case management quiz one</b> Due: Week 10 Friday (31 Jan 2020) 11:59 pm AEST

**Week 11 - 03 Feb 2020**

Module/Topic	Chapter	Events and Submissions/Topic
<b>Review period</b>	<b>No readings</b>	

**Week 12 - 10 Feb 2020**

Module/Topic	Chapter	Events and Submissions/Topic
<b>Review period</b>	<b>No readings</b>	<b>Case management quiz two</b> Due: Week 12 Friday (14 Feb 2020) 11:59 pm AEST

## Assessment Tasks

### 1 Literature review report

**Assessment Type**

Presentation and Written Assessment

**Task Description**

**Background:**

Ambulance services have historically followed a medical model for determining future clinical direction, often deferring to a medical advisory board or medical director to determine suitable new skills, procedures, or pharmacology. Since the introduction of tertiary paramedic education, and due to the increasing professionalisation of our discipline, there has been a shift in thinking towards paramedics researching and determining their own destiny in a clinical sense. It is therefore becoming an important skill for paramedics to be able to look at current research and new trends, and to analyse the evidence base to determine whether or not this research should influence our practice, or whether a new skill, procedure, or pharmacology should be adopted into use.

**Task introduction:**

You have been tasked by a medical advisory board to review and propose the introduction of a new drug into the already extensive armament of drugs on offer in your chosen ambulance service. You can either choose a completely new drug not currently used by any ambulance service or you can research a drug currently used by an international ambulance service for introduction into your service. Adenosine and Entonox are not permitted for this task.

The drug you choose must be approved by the Therapeutic Goods Administration of Australia (TGA), regardless of whether or not it is approved overseas by the FDA or other international agency. If you choose a drug already used by another service please note that you cannot simply alter the indications or the route of administration for that drug - this is not sufficient for this task. The medical advisory board would like for you to report on the introduction of this drug into the ambulance service and therefore require two parts to this proposal as follows:

**PART A: Literature review (25%)**

You are required to review recent literature for research articles (minimum of 5 articles) in relation to this drug of choice. Seek literature related to the context of use, i.e. suitability of this drug for use in the pre-hospital / emergency medicine setting.

You will review the information within this literature, critique, and discuss the findings. Your report must include the following sections:

- Title page: Stating name, student number, assignment task, unit number, and word count excluding title page,

in-text citations, your DTP, and the reference list.

- Introduction: Background and your report aim.
- Research methodology: Detail the search methodology, e.g. which keywords and databases you used, your inclusion & exclusion criteria, etc. Your methods should be sufficient to enable the reader to replicate your study.
- Results: What did you find in your literature review? Present concise summary of your findings, noting important factors such as any limitations to the studies you used.
- Discussion: What conclusions can be drawn from the studies? Synthesise your research findings (your results) to justify your DTP introduction. Consider too the implications of introducing this drug into paramedic practice, for example, do you need to cease the use of one drug for the introduction of another? Are there any cost/equipment implications? For what scope of practice is this DTP authorised, i.e. all levels, or ACP2 upwards, or CCP only?
- Drug Therapy Protocol: Develop a new DTP for your drug of choice. This must be included in your literature review report, either within the body of your report or at the end as an appendix, and must be fully cited.
- Conclusion: Summarise your findings and state your recommendations. Remember no new information or citations in the conclusion!
- Reference list: A full reference list of all cited sources in APA format.

Word limit is 1800 words +/-10%, excluding title page, in-text citations, your DTP, and the reference list. Your report layout must be formatted in APA style, and all citations and references must also be in APA style. Guidance on APA layout requirements is provided on the Moodle assessment page.

### **PART B: Poster presentation (25%)**

Using the information collected in Part A, you are required to develop a scientific poster about your drug of choice. This poster is to be posted around ambulance stations to provide information on the new drug and the research underlying its introduction as a new DTP. Its intent is an informational and visual adjunct to training, and the audience are qualified paramedics of ACP2 level upwards. This poster presents your report findings in a different format for a different audience, and includes the following sections:

- Introduction: Background of the topic and aim of the poster.
- Research results: Brief summary of the findings from your literature review report, i.e. how your findings justified this DTP; you will need to rewrite your report findings in a concise manner for the small poster word count.
- DTP comparison: A section illustrating how this drug is the best option for this particular condition; e.g. you can compare against action and side effects of other drugs of the same class, or against whatever drug is in current use; this is best presented as a table.
- Drug Therapy Protocol: The DTP that you developed; you may reformat and abbreviate this to fit the poster, for example omitting any special notes.
- Discussion: Use this section to discuss introduction of this DTP, e.g. how this addresses an undertreated condition, citing incidence of the condition, logistics of introduction, etc.
- Images: Photographs, diagrams, or illustrations are expected to convey additional information and add visual appeal.
- References: You may switch to numerical referencing to save on space but all sections, including DTP, must be fully cited.

Your word limit is 800-1000 words, excluding in-text citations, the DTP, and the reference list. Remember that information on posters must be concise and clear, as a summary of the most pertinent information, and that the writing style will be different to that of your report as you are writing for a different purpose and audience. In creating the poster content therefore you must rewrite your findings to better suit the poster context, purpose, and audience; you absolutely must not simply paste in sections of your written report!

#### **Assignment support:**

This is a major academic writing task requiring third-year level writing and content. A range of support is provided during term for this task, including video presentations, email consultations and formative feedback on your draft work, and advice on drug choice. Please begin work on this early and do not hesitate to seek advice on drug choice if confused, or for example, wish to use an existing drug for a new indication.

Information within the Unit Profile is further supported and explained by full guidelines upon the assessment page in Moodle; please refer to this page for full requirements, exemplars, and rubric.

#### **Assessment Due Date**

Week 8 Monday (13 Jan 2020) 11:59 pm AEST

Due 2359hrs on Monday of Week Eight

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

Week 11 Monday (3 Feb 2020)

Returned Monday of Week Eleven

#### **Weighting**

50%

**Minimum mark or grade**

50%

**Assessment Criteria**

A marking rubric for both parts of this assessment task together with exemplar material are provided on the Moodle page for reference. This list of assessment criteria is necessarily brief for the Unit Profile and is more completely outlined upon the Moodle page.

This task is worth 50% of your overall mark. You must attain a minimum mark of 50% for this task to pass, and you must pass this task to pass the unit.

**Part A: Literature review (25%)**

- Presentation and layout: information presented in a clear & logical sequence; content clearly written in academic style; conforms to word count; abbreviations & diagrams are appropriate where used; layout formatting of report body is consistent and correct APA style; cover page including required details and calculated word count (excluding citations, reference list, and DTP).
- Content: required subsections are present; selected drug meets criteria and is appropriate for introduction into prehospital use; current relevant literature used; results succinctly present literature review findings; discussion considers implications of findings for report aim and gives recommendations; concise conclusion.
- Drug therapy protocol: fully cited with all information included; effective layout; concise and unambiguous language.
- Referencing: all sources referenced appropriately throughout this task in correct APA style.
- File format: Submitted as Word document.

**Part B: Poster presentation (25%)**

- Presentation: Effective presentation of the scientific poster in terms of layout, colour scheme, and use of visual content.
- Content: Repurposes the content and findings of the literature review for the poster context and format; all content must be rewritten for the new format and audience; poster must include all required sections / content.
- Referencing: Consistently accurate with in text and referencing list protocols in line with the APA system of referencing.
- Details: Include your name, student number, and the word count excluding citations, the DTP, and the reference list.
- File format: Submitted as PDF file.

**This information is a summary only.** You must refer to the Moodle assessment pages for more detailed information, including rubric, exemplars, and instructional videos. Late submissions will be accepted, but penalties will accrue at 5% for every calendar day past the due date.

**All submissions are subject to review of the associated Turnitin report.**

**Referencing Style**

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

**Submission**

Online

**Submission Instructions**

Submit via the Moodle assessment page. Ensure that you have used the correct file formats for each component of this task.

**Learning Outcomes Assessed**

- Describe the indications, pharmacokinetics, actions, routes of administration, contraindications, side effects and precautions of medications and fluids administered by paramedics, and how you would evaluate the effects of administration
- Research and justify the most effective pharmacological treatment options in the pre-hospital context.

**Graduate Attributes**

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

## 2 Case management quiz one

### Assessment Type

Online Quiz(zes)

### Task Description

For this assessment task you will complete an online quiz. This short-answer quiz will be made up of short answer questions related to the material in this unit, and will include case based management exercises that include drug calculations in accordance with the Queensland Ambulance Service Drug Therapy Protocols at ACP2 level.

The quiz will become available on Monday of Week 9, and must be completed by Friday of Week 10. You will have a specific time limit imposed to complete the quiz. Please refer to the assessment page in Moodle for example practice quizzes from previous terms that you can use to experience the quiz format, layout, and time limit.

### Number of Quizzes

1

### Frequency of Quizzes

Other

### Assessment Due Date

Week 10 Friday (31 Jan 2020) 11:59 pm AEST

Due 2359hrs on Friday of Week Ten

### Return Date to Students

Week 12 Friday (14 Feb 2020)

Returned on Friday of Week Twelve

### Weighting

25%

### Minimum mark or grade

50%

### Assessment Criteria

- You will be required to answer each question at an Advanced Care Paramedic Two level (ACP2).
- In order to achieve the full marks allocated to that question you must complete each question fully and you must include any drug calculations in your answer.
- Please ensure that you read each question carefully; questions require multiple parts to your answer, e.g. stated question may require weight calculation AND drug dosage AND volume of administration AND route of administration, etc.
- This quiz is worth 25% of your overall mark.
- You must achieve a minimum pass mark of 50% to pass this assessment, and you must pass this assessment to pass the unit.
- You will only be given one attempt for this quiz.
- Do not press BACK on your browser or REFRESH the page at any time; your work will be lost as responses are not saved until the quiz is submitted or the allotted time expires.
- You will have a time limit of 90 minutes to complete the quiz.
- When your 90 minutes expires, any open attempts are automatically submitted.
- When the due date expires, any open attempts are automatically submitted; you must therefore start the quiz early enough to complete it before that deadline, or it will close before your full 90 minutes.
- For this assessment task **no late submissions will be accepted** and the quiz will close and become unavailable after the due date and time.
- **In the absence of an approved extension, there will be no opportunity to complete the task after this date, nor opportunity to apply a late penalty of five percent per day.**

### Referencing Style

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

**Submission**

Online

**Submission Instructions**

Online quiz submission within Moodle

**Learning Outcomes Assessed**

- Correctly calculate drug doses for the administration of paramedic medications

**Graduate Attributes**

- Critical Thinking
- Information Literacy

### 3 Case management quiz two

**Assessment Type**

Online Quiz(zes)

**Task Description**

For this assessment task you will complete an online quiz. This short-answer quiz will be made up of short answer questions related to the material in this unit, and will include case based management exercises that include drug calculations in accordance with the Queensland Ambulance Service Drug Therapy Protocols at ACP2 level.

The quiz will become available on Monday of Week 11, and must be completed by Friday of Week 12. You will have a specific time limit imposed to complete the quiz. Please refer to the assessment page in Moodle for example practice quizzes from previous terms that you can use to experience the quiz format, layout, and time limit.

**Number of Quizzes**

1

**Frequency of Quizzes**

Other

**Assessment Due Date**

Week 12 Friday (14 Feb 2020) 11:59 pm AEST

Due 2359hrs on Friday of Week Twelve

**Return Date to Students**

Returned within fourteen days

**Weighting**

25%

**Minimum mark or grade**

50%

**Assessment Criteria**

- You will be required to answer each question at an Advanced Care Paramedic Two level (ACP2).
- In order to achieve the full marks allocated to that question you must complete each question fully and you must include any drug calculations in your answer.
- Please ensure that you read each question carefully; questions require multiple parts to your answer, e.g. stated question may require weight calculation AND drug dosage AND volume of administration AND route of administration, etc.
- This quiz is worth 25% of your overall mark.
- You must achieve a minimum pass mark of 50% to pass this assessment, and you must pass this assessment to pass the unit.
- You will only be given one attempt for this quiz.
- Do not press BACK on your browser or REFRESH the page at any time; your work will be lost as responses are not saved until the quiz is submitted or the allotted time expires.
- You will have a time limit of 90 minutes to complete the quiz.
- When your 90 minutes expires, any open attempts are automatically submitted.
- When the due date expires, any open attempts are automatically submitted; you must therefore

start the quiz early enough to complete it before that deadline, or it will close before your full 90 minutes.

- For this assessment task **no late submissions will be accepted** and the quiz will close and become unavailable after the due date and time.
- **In the absence of an approved extension, there will be no opportunity to complete the task after this date, nor opportunity to apply a late penalty of five percent per day.**

### Referencing Style

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

### Submission

Online

### Submission Instructions

Online quiz submission within Moodle

### Learning Outcomes Assessed

- Describe the indications, pharmacokinetics, actions, routes of administration, contraindications, side effects and precautions of medications and fluids administered by paramedics, and how you would evaluate the effects of administration
- Discuss the implications of renal or hepatic dysfunction, pregnancy and extremes of age on drug administration in the paramedic context

### Graduate Attributes

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