



# PMSC12001 *Procedures and Skills in Paramedic Care*

## Term 2 - 2022

Profile information current as at 18/04/2024 01:28 am

All details in this unit profile for PMSC12001 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

In this unit, you will develop an understanding of paramedic care through the investigation of underpinning theory and practice of procedural applications in the discipline. This will include examples of clinical investigations of the neurological, respiratory, cardiovascular, gastrointestinal and endocrine systems including specific paramedic interventions such as cannulation, ventilation techniques, defibrillation and trauma management at an introductory level. Your knowledge and skills will be developed through a series of coursework exercises and practical laboratory sessions. The knowledge and skills developed in this unit ensure you meet the Paramedicine Board of Australia's registration requirements through a series of coursework exercises and practical laboratory sessions.

### Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

### Pre-requisites or Co-requisites

Pre-requisites: PMSC11002 Foundations of Paramedic Clinical Practice BMSC11010 Human Anatomy and Physiology 1 or BMSC11001 Human Body Systems 1 Co-requisite PMSC11004 Paramedic Medical Emergencies 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 - 2022

- Cairns
- Mixed Mode
- Rockhampton
- Townsville

### Attendance Requirements

All on-campus students are expected to attend scheduled classes – in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

### Residential Schools

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

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

### Website

[This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.](#)

## Class and Assessment Overview

### Recommended Student Time Commitment

Each 6-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

### Class Timetable

#### [Regional Campuses](#)

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

#### [Metropolitan Campuses](#)

Adelaide, Brisbane, Melbourne, Perth, Sydney

### Assessment Overview

#### 1. **Written Assessment**

Weighting: 50%

#### 2. **Practical Assessment**

Weighting: Pass/Fail

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

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

**Feedback**

Assessment task and weightings to better reflect learning outcomes of unit.

**Recommendation**

Poster presentation to be updated to an online quiz covering the all the unit content. The quiz will assess a broader range of skills, rather than focused on one skill.

#### Feedback from Student feedback

**Feedback**

Residential school assessment expectations not clear.

**Recommendation**

Consider restructure of residential school assessments. The division of each skill into separate skill station will provide clarity of each skill assessment requirement.

## Unit Learning Outcomes

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

1. Articulate the theoretical underpinnings, including the anatomical and pathophysiological reasons, for the application of advanced care skills and interventions in the management of a critically ill or injured patient relevant to paramedic practice
2. Identify and interpret the indications, precautions, risks and contraindications of using specific paramedic interventions involved in advanced care prehospital practice
3. Employ critical thinking and clinical reasoning for using specific paramedic interventions involved in advanced care prehospital skills and interventions
4. Explain and demonstrate the skills and interventions for specific paramedic interventions involved in advanced care prehospital practice in a safe, ethical and professional manner

It is now a requirement of the Paramedicine Board of Australia that units align with the AHPRA Professional Capabilities for Registered Paramedics. These are broken down into five (5) domains. Below aligns the proposed learning outcomes with these domains, with each domain also listed below:

- Learning outcome 1 aligns with professional capabilities for registered paramedics Domain 1, 3 & 5
- Learning outcome 2 aligns with professional capabilities for registered paramedics Domain 3 & 5
- Learning outcome 3 aligns with professional capabilities for registered paramedics Domain 1, 2, 3, 4 & 5
- Learning outcome 4 aligns with professional capabilities for registered paramedics Domain 1, 2, 3, 4 & 5

**Domain 1 - Professional and ethical conduct:**

- Practice ethically and professionally, consistent with relevant legislation and regulatory requirements
- Provide each patient with an appropriate level of dignity and care
- Assume responsibility, and accept accountability, for professional decisions
- Advocate on behalf of the patient, when appropriate within the context of the practitioner's practice as a paramedic

**Domain 2 - Professional communication and collaboration:**

- Communicate clearly, sensitively and effectively with the patient and other relevant people

- Collaborate with other health practitioners

Domain 3 - Evidence-based practice and professional learning:

- Make informed and reasonable decisions
- Use clinical reasoning and problem-solving skills to determine clinical judgements and appropriate actions
- Draw on appropriate knowledge and skills in order to make professional judgements
- identify ongoing professional learning, developmental needs and opportunities

Domain 4 - Safety, risk management and quality assurance:

- Protect and enhance patient safety
- Maintain safety of self and others in the work environment
- Operate effectively in an emergency care environment
- Maintain records appropriately
- Monitor and review the ongoing effectiveness of their practice and modify it accordingly
- Audits, reflects on and reviews practice
- Participate in the mentoring, teaching and development of others

Domain 5 - Paramedicine practice:

- Use patient information management systems appropriately
- Assess and monitor the patient capacity to receive care
- understand the key concepts of the bodies of knowledge which are specifically relevant to paramedicine practice
- Conduct appropriate diagnostic or monitoring procedures, treatment, therapy or other actions safely
- Demonstrate the requisite knowledge and skills to participate in mass casualty or major incident situations
- Formulate specific and appropriate patient care and treatment actions

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	2	3	4
1 - Practical Assessment - 0%		•		•
2 - Online Quiz(zes) - 50%	•	•	•	
3 - Written Assessment - 50%	•		•	

### Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes			
	1	2	3	4
1 - Communication	•	•	•	•
2 - Problem Solving	•	•	•	•
3 - Critical Thinking	•	•	•	•
4 - Information Literacy	•	•	•	
5 - Team Work				•
6 - Information Technology Competence	•		•	
7 - Cross Cultural Competence			•	•
8 - Ethical practice	•	•		•
9 - Social Innovation				
10 - Aboriginal and Torres Strait Islander Cultures				

## Textbooks and Resources

### Textbooks

PMSC12001

#### Prescribed

##### **Textbook of Adult Emergency Medicine**

5th edition (2019)

Authors: Peter Cameron, Mark Little, Biswadev Mitra, Connor Deasy

Elsevier

ISBN: 9780702076244

Binding: Paperback

#### **Additional Textbook Information**

Both the eBook and paper versions are available to purchase at the CQUni Bookshop

here: <http://bookshop.cqu.edu.au> (Check on eBook link)

[View textbooks at the CQUniversity Bookshop](#)

[View textbooks at the CQUniversity Bookshop](#)

### IT Resources

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

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Computer - ability to access study materials, including instructional videos and scan and upload assessment.
- Earphones

## 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

**Kate Verney** Unit Coordinator

[k.verney@cqu.edu.au](mailto:k.verney@cqu.edu.au)

## Schedule

### **Week 1 - 11 Jul 2022**

Module/Topic	Chapter	Events and Submissions/Topic
Systematic Approach Overview	See eReading list and Moodle page.	

### **Week 2 - 18 Jul 2022**

Module/Topic	Chapter	Events and Submissions/Topic
Airway Management		

### **Week 3 - 25 Jul 2022**

Module/Topic	Chapter	Events and Submissions/Topic
Ventilation and Emergency Airways		

### **Week 4 - 01 Aug 2022**

Module/Topic	Chapter	Events and Submissions/Topic
Drug Administration Part 1		<b>Clinical case studies</b> Due: Week 4 Friday (5 Aug 2022) 5:00 pm AEST

#### Week 5 - 08 Aug 2022

Module/Topic	Chapter	Events and Submissions/Topic
Drug Administration Part 2		

#### Vacation Week - 15 Aug 2022

Module/Topic	Chapter	Events and Submissions/Topic
VACATION WEEK	No assigned readings; use this time to ensure learning and assessment tasks are completed.	VACATION WEEK

#### Week 6 - 22 Aug 2022

Module/Topic	Chapter	Events and Submissions/Topic
Trauma Part A		

#### Week 7 - 29 Aug 2022

Module/Topic	Chapter	Events and Submissions/Topic
Trauma Part B		

#### Week 8 - 05 Sep 2022

Module/Topic	Chapter	Events and Submissions/Topic
Extrication		Internal student assessment day 6th & 7th Sep.

#### Week 9 - 12 Sep 2022

Module/Topic	Chapter	Events and Submissions/Topic
Infection control		Residential School A Monday 12th Sep- Thur 15th Sep

#### Week 10 - 19 Sep 2022

Module/Topic	Chapter	Events and Submissions/Topic
Resuscitation, CPR and Defibrillation		Residential School B Tuesday 20th Sep- Friday 23rd Sep

#### Week 11 - 26 Sep 2022

Module/Topic	Chapter	Events and Submissions/Topic
Self Orientated Course Revision		

#### Week 12 - 03 Oct 2022

Module/Topic	Chapter	Events and Submissions/Topic
Self Orientated Course Revision		<b>Online Quiz</b> Due: Week 12 Monday (3 Oct 2022) 8:00 am AEST

#### Review/Exam Week - 10 Oct 2022

Module/Topic	Chapter	Events and Submissions/Topic

#### Exam Week - 17 Oct 2022

Module/Topic	Chapter	Events and Submissions/Topic

## Term Specific Information

Students enrolled as On-campus will be required to attend compulsory tutorial sessions during the term. Students must nominate their preferred tutorial location and time via the student portal. Tutorial numbers are capped per session, you are not guaranteed a place at your preferred session, but you are guaranteed one session per week. Students may be requested to move internal tutorial session to maintain appropriate student numbers to enhance the overall student experience, and learning and teaching requirements.

Students enrolled as Distance/mixed mode will be required to attend a compulsory residential school. Students must nominate their preferred residential school location via the student portal. Numbers at residential schools are capped and a position at your preferred residential school is not guaranteed. Geographical proximity to and/or previous attendance at a residential school location does not guarantee placement at your preferred residential school location. If student numbers are considered low at a particular residential school, you may be requested to change the date of your attendance to enhance the overall student experience.

Attendance at internal tutorials and residential schools is compulsory. If for any reason you cannot attend a tutorial or day at residential school you must provide appropriate evidence, as per Assessment Policy and Procedure, to justify your absence. You will be responsible for making arrangements, with the unit coordinator, to make up for the missed learning and teaching.

## Assessment Tasks

### 1 Clinical case studies

#### **Assessment Type**

Written Assessment

#### **Task Description**

Clinical case studies are a valuable tools used by health professionals to simulate authentic situations to enable the application of knowledge to develop clinical reasoning to complex problems. Clinical case studies allow the practitioner to consider the case, research and reflect without pressure and constraints.

In this unit there are two clinical case studies, each of the case studies will focus on a different complex clinical presentation. You will be required to answer the clinical questions and discuss the use of relevant paramedic procedures and skills. Your response must be academic and supported by evidence.

Each clinical case study is to be 500 words (+/- 10%).

Each clinical case study is worth 25%.

Clinical case study ONE- Due Friday 5th August

Clinical case study TWO- Due Friday 2nd September

See Moodle page for case study questions.

#### **Assessment Due Date**

Week 4 Friday (5 Aug 2022) 5:00 pm AEST

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

Feedback and grading will be made available two weeks post due date

#### **Weighting**

50%

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

50%



## Assessment Criteria

You will be required to demonstrate your theoretical knowledge through a clinical case study.

The word limit for this assessment is 500 words (+/-10%, not including cover page, headings, in-text references and reference page).

### Presentation:

Your assessment should be formatted on A4 International Standard paper with margins of 2.54cm. Arial font and size set to 12 point, and line spacing set to 1.5.

### Format:

Cover page: a cover page must be included for this assessment in the following format:

- Assessment name
- Unit number and name
- Your name
- Student number
- Word count (not including cover page, headings, in-text references and reference page)
- Assessment due date (if you have an approved extension this needs to be noted here)
- Appropriately referenced using the APA 7th Edition format

### Reference page:

- The reference list must be on a separate page at the end of your assessment
- References must be listed using the APA 7th Edition format

You must provide a reference list of no less than 5 peer reviewed scientific journal articles published after 2012.

Subsequent resources can include Australian and/or New Zealand ambulance service guidelines, expert textbooks and websites, as appropriate. Whilst you may refer to ambulance service guidelines, do not overuse them or use them as your primary source of evidence. Ensure you are predominantly using recent peer reviewed journal articles (minimum 5).

The assessment will be marked against a rubric, which will be available on the Moodle page.

**In the absence of an approved extension, a penalty of 5% of the total marks for the assessment will be deducted for each full or part calendar day the assessment is overdue, in accordance with the Assessment Policy and Procedure.**

You must attempt all assessments to pass this unit.

### Referencing Style

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

### Submission

Online

### Learning Outcomes Assessed

- Articulate the theoretical underpinnings, including the anatomical and pathophysiological reasons, for the application of advanced care skills and interventions in the management of a critically ill or injured patient relevant to paramedic practice
- Employ critical thinking and clinical reasoning for using specific paramedic interventions involved in advanced care prehospital skills and interventions

## 2 Practical assessment

### Assessment Type

Practical Assessment

### Task Description

The safe and competent performance of medical procedures and skills forms a core aspect of paramedic practice. Paramedics must possess the theoretical knowledge underpinning these skills whilst also able to apply them to a safe standard. This practical assessment will be conducted using a variety of platforms, including written short answer quiz, skill station and voice viva. There are six (6) elements of assessment; a short answer quiz and five (5) skill stations. The skill station may assess one, or a combination of skills with verbal questions relating to that skill. These skill stations are designed to assess knowledge and practical application of paramedic skills. Each skill station will be 5 -10 minute duration.

Internal students will complete all assessment during week 8 on Tuesday 6th September or Wednesday 7th September.

Mixed mode students will undertake the 15 minute short answer assessment on the first day of residential school. This is the first of six assessments. On the final day of residential school students will undertake five skill stations.

The practical assessment is Pass/Fail.

Students are required to demonstrate their competence by passing four (4) out of six (6) assessments. Students who fail by one element (passing three out of six) will be offered one reattempt in order to resolve any doubt of their safe and competent performance. If a student fails the reattempt they will receive a fail for their practical assessment and fail the unit. If a student does not achieve a pass in three out of six assessments they are not eligible for a reattempt.

### **Assessment Due Date**

Assessments will be carried out during the internal assessment day or residential school.

### **Return Date to Students**

Feedback will be provided within two weeks after the assessment is conducted.

### **Weighting**

Pass/Fail

### **Assessment Criteria**

The assessment will be marked in accordance to rubrics specific to the skill station. The rubric will assess the articulation of theoretical knowledge of the skills and the safe and competent demonstration of each component in a timely manner. Points will be allocated to each step of the correct performance of the skill.

### **Critical errors:**

Critical errors in this unit will be classed as anything, by act or omission, that causes immediate harm or the potential to cause harm, to yourself, partner, patient or bystanders or any procedure that is performed outside your scope of practice. During any form of assessment, if any of the following are witnessed, no marks will be given for that assessment. Furthermore, any critical error discovered on review or moderation will also result in no marks being given for that particular assessment:

- Unsafe defibrillation
- Incorrect joules delivered during defibrillation
- Defibrillation of a non-shockable rhythm
- Failure to recognise a cardiac arrest (>1minute)
- Failure to shock a shockable rhythm in a timely manner (<2 minutes)
- Failure to perform a complete drug check, including dose, volume and contraindications
- Failure to check indications, and contraindications before performing a skill or procedure.
- Incorrect sharps disposal or unsafe practice with a sharp
- Performing a skill or procedure or administering a drug outside your scope of practice
- Any grossly unsafe practice, as determined by the assessing academic.

If you do not understand any of the above, please do not hesitate to clarify with your unit coordinator.

### **Referencing Style**

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

### **Submission**

No submission method provided.

### **Learning Outcomes Assessed**

- Identify and interpret the indications, precautions, risks and contraindications of using specific paramedic

interventions involved in advanced care prehospital practice

- Explain and demonstrate the skills and interventions for specific paramedic interventions involved in advanced care prehospital practice in a safe, ethical and professional manner

### 3 Online Quiz

#### Assessment Type

Online Quiz(zes)

#### Task Description

The safe application of procedures and skills in a clinical setting must be underpinned by theoretical knowledge. The ability to rapidly recall indications, contraindications and complications of procedures and skills is imperative for safe paramedic practice. The online quiz will assess knowledge and understanding of the procedures and skills taught within the unit.

The online quiz will assess content from PMSC12001 from Weeks 1-11.

The quiz will open in Week 11 on Monday 26th September and close Monday 3rd October. You will only receive one attempt at the quiz.

#### Number of Quizzes

1

#### Frequency of Quizzes

Other

#### Assessment Due Date

Week 12 Monday (3 Oct 2022) 8:00 am AEST

Quiz will open Monday 26th September at 0800 and close Monday 3rd October 0800.

#### Return Date to Students

Results will be released two weeks post quiz closure.

#### Weighting

50%

#### Minimum mark or grade

50%

#### Assessment Criteria

- Time allocation of 60 minutes to complete the quiz.
- There will be a combination of multiple choice, short answer and diagrams.
- You will only be given one attempt.
- When the due date expires, any open attempts are automatically submitted; you must therefore start the quiz before that deadline or you will not receive your full time period.
- This is an individual assessment with no collaboration allowed.
- No late submissions will be accepted and the test 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 test after this date.
- If you have any technical issues you must notify the unit coordinator immediately

#### Referencing Style

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

#### Submission

No submission method provided.

#### Learning Outcomes Assessed

- Articulate the theoretical underpinnings, including the anatomical and pathophysiological reasons, for the application of advanced care skills and interventions in the management of a critically ill or injured patient relevant to paramedic practice
- Identify and interpret the indications, precautions, risks and contraindications of using specific paramedic interventions involved in advanced care prehospital practice
- Employ critical thinking and clinical reasoning for using specific paramedic interventions involved in advanced care prehospital skills and interventions

## 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