



PMSC12005 *Paramedic Medical Emergencies 2*

Term 1 - 2023

Profile information current as at 29/04/2024 01:19 pm

All details in this unit profile for PMSC12005 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.

Corrections

Unit Profile Correction added on 09-03-23

A typographical error in the unit Learning Outcome section refers to Learning Outcome four (LO4). Please disregard this, as only three (3) Learning Outcomes are contained within this unit.

General Information

Overview

In this unit, you will continue to develop your skills in recognising, diagnosing and managing patients presenting with complex and/or less commonly encountered acute and life-threatening disease processes, throughout the life span. You will integrate your developing knowledge of anatomy and physiology, pathophysiology and pharmacology with patient assessment, diagnostic evaluations and clinical history to formulate a provisional diagnosis. You will use this information to design and implement the most appropriate clinical management in line with contemporary industry guidelines and protocols, and emerging evidence-based practices, displaying safe, ethical and professional practice. Case-based learning combined with high fidelity simulation will contextualise your essential clinical skills, clinical decision making and problem-solving abilities.

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- PMSC12001 Procedures & Skills in Paramedic Care PMSC11004 Paramedic Medical Emergencies 1Co-requisite-PMSC12004 Advanced Electrophysiology and Coronary Care

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 1 - 2023

- Mixed Mode

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. **Presentation**

Weighting: 20%

2. **Online Quiz(zes)**

Weighting: 30%

3. **Practical Assessment**

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 (verbal and via email)

Feedback

Short lectures with one topic focus are very helpful and easy to learn from

Recommendation

It is recommended that the short concise lectures will remain in this unit.

Unit Learning Outcomes

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

1. Evaluate patients systematically and comprehensively, including clinical history and assessment data, in a safe, ethical and culturally appropriate manner
2. Formulate and justify a provisional diagnosis by applying knowledge of underpinning foundational pathophysiology of complex and/or less commonly encountered acute and life-threatening disease processes, and implement appropriate pharmacological management
3. Develop effective clinical management interventions through comprehensive knowledge and implementation of evidence-based practice, incorporating the principles of safe, professional and ethical practice.

It is 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 learning outcomes with these domains. In addition, the learning outcomes have also been aligned with the National Safety and Quality Health Service (NSQHS) Standards.

Professional Capabilities for a registered Paramedic

The Paramedicine Board of Australia is responsible for assessing, consulting on and setting the standards for paramedics practicing in Australia. These standards and relevant domains are articulated in the *Professional capabilities for registered paramedics* document. The learning outcomes of the unit are matched to the relevant capabilities

Standard/Attribute/Criteria	Learning Outcome
Domain 1: The professional and ethical practitioner 1.1.4, 1.1.5, 1.1.6, 1.1.7, 1.1.8, 1.1.9, 1.1.10, 1.1.11, 1.2.1, 1.2.2, 1.2.3, 1.2.4, 1.2.5, 1.2.6, 1.3.1, 1.3.2, 1.3.3, 1.4.1, 1.4.2	LO1, LO2, LO3
Domain 2: The communicator and collaborator 2.1.2, 2.1.3, 2.1.4, 2.1.5, 2.1.6, 2.1.7, 2.1.8, 2.2.1, 2.2.2, 2.2.3	LO1, LO2, LO3
Domain 3: The evidence-based practitioner 3.1.1, 3.1.2, 3.2.1, 3.2.2, 3.2.3, 3.2.4, 3.2.5, 3.2.6, 3.3.1, 3.3.2, 3.3.3	LO1, LO2, LO3
Domain 4: The safety and risk management practitioner 4.1.1, 4.1.2, 4.1.3, 4.1.4, 4.1.5, 4.2.1, 4.2.2, 4.2.3, 4.2.4, 4.3.1, 4.3.2, 4.3.3, 4.5.2, 4.7.7	LO1, LO2, LO3
Domain 5: The paramedicine practitioner 5.1.2, 5.1.3, 5.1.4, 5.1.5, 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5, 5.3.1, 5.3.2, 5.3.3, 5.3.4, 5.3.5, 5.3.6, 5.4.1, 5.4.2, 5.4.3, 5.4.4, 5.4.5, 5.4.6, 5.6.1, 5.6.2, 5.6.3, 5.6.4	LO1, LO2, LO3

National Safety and Quality Health Service Standards

The Australian Commission on Safety and Quality in Health Care Standards developed in this unit are:

Standard	Learning Outcomes
Clinical Governance	LO1, LO3
Partnering with Consumers	LO1, LO2, LO3
Preventing and Controlling Infections	LO1, LO2, LO3
Medication Safety	LO1, LO2, LO3
Comprehensive Care	LO1, LO2, LO3
Communicating for Safety	LO1, LO3
Recognising and Responding to Acute Deterioration	LO1, LO2, LO3



Alignment of Learning Outcomes, Assessment and Graduate Attributes



Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes		
	1	2	3
1 - Practical Assessment - 50%	•	•	•
2 - Online Quiz(zes) - 30%		•	•
3 - Presentation - 20%	•	•	•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes		
	1	2	3
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

PMSC12005

Prescribed

Textbook of Adult Emergency Medicine

Fifth Edition (2020)

Authors: Peter Cameron, Mark Little, Biswadev Mitra, Conor Deasy.

Elsevier

Chatswood , NSW , Australia

ISBN: 978-0-7020-7624-4

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)
- Computer
- Headphones or speaker and a microphone
- Camera and microphone for attending Zoom tutorials and completing presentation assessment task

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

Carl Legros Unit Coordinator

c.legros@cqu.edu.au

Schedule

Week 1 Drug Therapy for PMSC12005, Neurological Emergencies - 06 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
Week 1 will cover all drugs associated with PMSC12005. You will refer to this topic throughout the whole unit. Basic safety, professional and ethical considerations in relation to pharmacology will be discussed. You will also explore neurological emergencies encountered by paramedics.	Textbook of Adult Emergency Medicine Chapter 8: p.352-355, 364-368, 379-382. Chapter 22: p.660-664. Refer to e-reading list for all readings	

Week 2-3 Cardiovascular Emergencies - 13 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
Week 2 and 3 will explore some cardiovascular emergencies encountered by paramedics.	Textbook of Adult Emergency Medicine Chapter 5: p.223-237, 254-261. Refer to e-reading list for all readings	

Week 4-5 Airway and Respiratory Emergencies - 27 Mar 2023

Module/Topic	Chapter	Events and Submissions/Topic
Week 4 and 5 will explore some airway and respiratory emergencies encountered by paramedics.	Textbook of Adult Emergency Medicine Chapter 6: p.262-269, 271-290. Refer to e-reading list for all readings	The presentation is due on Monday the 3rd of April at 09:00 AM AEST. Presentation Due: Week 5 Monday (3 Apr 2023) 9:00 am AEST

Vacation Week - 10 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic
Enjoy the break!		

Week 6-7 Gastrointestinal and genitourinary emergencies - 17 Apr 2023

Module/Topic	Chapter	Events and Submissions/Topic
Week 6 and 7 will explore some gastrointestinal and genitourinary emergencies encountered by paramedics.	Textbook of Adult Emergency Medicine Chapter 7: p.302-335, 339-343. Chapter 9: p.402-408. Chapter 10 in its entirety. Refer to e-reading list for all readings	

Week 8-9 Endocrine, Metabolic and Haematologic Emergencies - 01 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
Week 8 and 9 will explore some endocrine, metabolic and haematologic emergencies encountered by paramedics.	Textbook of Adult Emergency Medicine Chapter 11: p.472-487, 497-504. Refer to e-reading list for all readings	The quiz will open on Monday the 8th of May at 09:00 AM and will close on Monday the 15th of May at 09:00 AM. Content from weeks 1-9 inclusively will be used for this quiz. The quiz is completed in week 9 in preparation for upcoming residential schools.

Week 10 Shock and Sepsis - 15 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
Week 10 will explore the world of shock and sepsis and we will dive deeper into the management of anaphylaxis.	Textbook of Adult Emergency Medicine Chapter 2: p.35-47, 59-66. Refer to e-reading list for all readings	

Residential schools - 20 May 2023

Module/Topic	Chapter	Events and Submissions/Topic
Revision and preparation for the residential schools (on-campus assessment)		Multiple residential schools available in Cairns, Townsville and Rockhampton in weeks 10, 11 and 12. Limited places available for each residential school. Please book your preferred residential school early to avoid disappointment. On-campus assessment completed at the residential school.

Term Specific Information

You are required to attend a compulsory Residential School for this unit. You must nominate your preferred Residential School location through MyCQU, under My Timetable in the My Units tab. Numbers at Residential Schools are capped and a position at your preferred Residential School is not guaranteed. Geographical proximity to and previous attendance at a particular Residential School location does not guarantee placement at your preferred location. The Unit Coordinator will play no role in assisting in Residential School changes if you did not receive your preferred allocation.

You must allocate for your preferred Residential School by the end of week four of the term. If students numbers are considered low at a particular offering, you may be requested to change the date of your attendance to enhance the overall student experience. A student will not be asked to change Residential School location if they have nominated correctly before week four.

Attendance at Residential School is compulsory and you must attend 100% of Residential School days. If, for any reason, you cannot participate in a day at Residential School, you must immediately notify the Unit Coordinators and provide appropriate evidence, as per Assessment Policy and Procedure, to justify your absence. You will be responsible for making arrangements with the Unit Coordinators to make up for all missed learning and assessments

Assessment Tasks

1 Presentation

Assessment Type

Presentation

Task Description

For this task, you will develop a 5-7 minutes video presentation on a topic from the list provided below. The presentation should be aimed at clinicians for a live online continuing professional development (CPD) conference. The presentation will require you to use PowerPoint slides and a video of you delivering your presentation. The lectures provided as part of this unit is an example of what is required of you to produce.

Topics for your presentation:

- Malignant hyperthermia
- Cauda equina

Your presentation must cover the following items:

- Pathophysiology of the disease
- Clinical features and causes of the disease
- Specific questioning related to the chosen topic you could ask your patient as a practitioner to assist you in your provisional diagnosis
- **In-hospital** management
- Pharmacodynamic explanation of the drugs utilised during **in-hospital** treatment
- Strategies to ensure that the ethical principles of non-maleficence and beneficence are upheld during care

The presentation ought to be between 5 and 7 minutes maximum.

A list of your references used for your presentation is to be included on the last slide/slides of your presentation. A minimum of 5 peer-reviewed journal articles is required for this presentation. The reference list must follow the APA referencing style mentioned in this unit profile.

The presentation must be uploaded in a MP4 format on Moodle in the presentation assessment tab. Your APA reference list must also be uploaded in an PDF or Word document.

Assessment Due Date

Week 5 Monday (3 Apr 2023) 9:00 am AEST

Return Date to Students

Staff will aim to return assessments results within three teaching weeks of closing date

Weighting

20%

Minimum mark or grade

50%

Assessment Criteria

Criteria of the presentation discussed = 20 marks

Flow of information presented in a logical way = 4 marks

Adherence to presentation time = 1 mark

APA referencing = 5 marks

In-depth marking rubric information will be available on the Moodle site.

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 Assessment Policy and Procedure. An extension request must be submitted via the 'Request Extension' link on the unit Moodle page, and each case will be assessed in accordance with the relevant policy and procedure. Students are advised that to attain a passing grade for this unit, ALL assessment items must be completed. Furthermore, a passing grade of 50% must be attained for each assessment (practical assessment, online quiz and presentation). Failure to attain this standard will cause an overall 'Fail' grade for this unit. Students may be eligible to a supplementary assessment if they meet all the criteria set out in the CQU Assessment Policy and Procedure are met.

Referencing Style

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

Submission

Online

Submission Instructions

MP4 file only. To be uploaded on Moodle in the presentation assessment section.

Learning Outcomes Assessed

- Evaluate patients systematically and comprehensively, including clinical history and assessment data, in a safe, ethical and culturally appropriate manner
- Formulate and justify a provisional diagnosis by applying knowledge of underpinning foundational pathophysiology of complex and/or less commonly encountered acute and life-threatening disease processes, and implement appropriate pharmacological management.
- Develop effective clinical management interventions through comprehensive knowledge and implementation of evidence-based practice, incorporating the principles of safe, professional and ethical practice.

2 Online Quiz

Assessment Type

Online Quiz(zes)

Task Description

You will be required to complete an online quiz in week 9. The quiz will open on Monday the 8th of May at 09:00 AM and will close on Monday the 15th of May at 09:00 AM. Content from weeks 1-9 inclusively will be used for this quiz. You will have 45 minutes to complete the quiz. Only one attempt is allowed for this quiz.

Questions associated with this quiz will be extracted from the content presented in PMSC12005, including lecture slides, lecture recordings and recommended readings. The quiz will be multiple choice with some short answer questions.

Number of Quizzes

1

Frequency of Quizzes**Assessment Due Date**

The quiz will open on Monday the 8th of May at 09:00 AM and will close on Monday the 15th of May at 09:00 AM.

Return Date to Students

Staff will aim to return assessments results within three teaching weeks of closing date

Weighting

30%

Minimum mark or grade

50%

Assessment Criteria

Answering the questions correctly will result in full marks. No partial marks will be allocated for any multiple-choice questions. The quiz must be completed and submitted by the time indicated in the assessment task. In the absence of an approved extension for the quiz, there will be no opportunity to complete the tasks after the specified dates, and there will be no opportunity to apply a late penalty of 5% per day.

Students are advised that to attain a passing grade for this unit, ALL assessment items must be attempted. Furthermore, a passing grade of 50% must be attained for each assessment (practical assessment, online quiz and presentation). Failure to attain this standard will cause an overall 'Fail' grade for this unit. Students may be eligible to a supplementary assessment if all the criteria set out in the CQU Assessment Policy and Procedure are met.

Referencing Style

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

Submission

Online

Submission Instructions

Complete quiz on the Moodle page under the assessment tab.

Learning Outcomes Assessed

- Formulate and justify a provisional diagnosis by applying knowledge of underpinning foundational pathophysiology of complex and/or less commonly encountered acute and life-threatening disease processes, and implement appropriate pharmacological management.
- Develop effective clinical management interventions through comprehensive knowledge and implementation of evidence-based practice, incorporating the principles of safe, professional and ethical practice.

3 On-campus

Assessment Type

Practical Assessment

Task Description

Theoretical knowledge and the practical application of this knowledge is vital when performing the role of paramedic. In this assessment, you will need to articulate and apply your theoretical knowledge gained within this unit to successfully complete a variety of assessments to an intermediate level.

You will need to complete the tasks below. All of these will be conducted at a residential school with some using simulated environments and patients.

Task Description

You will need to complete three (3) tasks, each designed to assess your knowledge and practical skills acquired during this unit.

Task one (1) will be in the form of a quiz on day one of the residential school. The quiz will be focused on the drug therapy protocols given in week one and will include adults and paediatrics. You will be allocated 15 minutes to complete the task.

Task two (2) will be in the form of an Objective Structured Clinical Examination (OSCE) where you will be allocated 20 minutes to complete the assessment. The OSCE will be in the format of a structured scenario. The OSCE is designed to assess your knowledge and understanding of the material covered throughout the unit in a structured practical environment. Furthermore, the OSCE will assess your ability to perform a thorough and accurate patient assessment and history, and use this information to formulate a provisional diagnosis. In combination with your patient assessment and provisional diagnosis, you will implement appropriate and timely interventions, procedures and/or skills. The Queensland Ambulance Service (QAS) drug therapy protocols will be utilised for all pharmacology. Your ability to communicate effectively and overall scene management will also be assessed.

Task three (3) will be in the form of a short case assessment, and you will be allocated 15 minutes to complete the task. Examples of a short case assessment includes, but are not limited to:

- Viva voce
- Mini scenario

Assessment Due Date

This assessment will be completed at a residential school chosen by the student.

Return Date to Students

Marks will be available within three teaching weeks following attendance of a residential school

Weighting

50%

Minimum mark or grade

50%

Assessment Criteria

To pass the on-campus assessment, students must achieve a minimum of 50%. Task one, two and three results will be combined and students must achieve 50% of the overall combine result.

CRITICAL ERRORS:

Critical errors in this unit will be classed as anything that causes immediate harm to yourself, partner, patient or bystanders and/or any procedure that is performed outside the paramedic scope of practice. During any form of assessment, if any of the following are witnessed, no marks will be given for that item:

Unsafe defibrillation

Incorrect joules were delivered during defibrillation

Defibrillation of a non-shockable rhythm

Failure to recognise 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, indications and contra-indications

Failure to check indications and contra-indications before performing a skill or procedure

Performing a skill or procedure outside your scope of practice

Administering a drug or drug dose outside your scope of practice

Incorrect sharps disposal or unsafe practice with a sharp

Any grossly unsafe practice, as determined by the assessing academic

Students are advised that to attain a passing grade for this unit, ALL assessment items must be attempted. Furthermore, a passing grade of 50% must be attained for each assessment (practical assessment, online quiz and presentation). Failure to attain this standard will cause an overall 'Fail' grade for this unit. Students may be eligible to a supplementary assessment if all the criteria set out in the CQU Assessment Policy and Procedure are met.

Referencing Style

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

Submission

No submission method provided.

Learning Outcomes Assessed

- Evaluate patients systematically and comprehensively, including clinical history and assessment data, in a safe, ethical and culturally appropriate manner
- Formulate and justify a provisional diagnosis by applying knowledge of underpinning foundational pathophysiology of complex and/or less commonly encountered acute and life-threatening disease processes, and implement appropriate pharmacological management.
- Develop effective clinical management interventions through comprehensive knowledge and implementation of evidence-based practice, incorporating the principles of safe, professional and 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