



# PMSC20006 Advanced Clinical Care of Trauma and Environmental Emergencies

## Term 2 - 2018

Profile information current as at 25/04/2024 07:14 pm

All details in this unit profile for PMSC20006 have been officially approved by CQU University and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

## General Information

### Overview

This unit will provide you with the underpinning evidence-based knowledge of common traumatic and environmental emergencies. In addition, you will be able to demonstrate critical care paramedic skills and interventions in the management of traumatic and environmental emergencies, and to operate effectively within trauma management systems.

### Details

Career Level: *Postgraduate*

Unit Level: *Level 8*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

### Pre-requisites or Co-requisites

Co-requisites PMSC20002 Advanced Critical Skills Application PMSC20005 Advanced Assessment, Diagnostic Interpretation and Management

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 - 2018

- Distance

### 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 Postgraduate 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. **On-campus Activity**

Weighting: 50%

#### 2. **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 Personal observation; informal student feedback

**Feedback**

Use of currently practising critical care paramedics as mentors during residential school

**Recommendation**

Continue to engage critical care paramedics to assist in practical sessions during residential schools. Students gain a lot from this authentic experience, with tips and tricks to assist them in their new scope of practice.

## Unit Learning Outcomes

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

1. Discuss the pathophysiology of common traumatic and environmental emergencies
2. Apply evidence-based knowledge in the management of trauma and environmental emergencies
3. Demonstrate advanced critical care paramedic skills and interventions in the management of traumatic and environmental emergencies
4. Communicate effectively and demonstrate leadership within trauma management systems.

## Alignment of Learning Outcomes, Assessment and Graduate Attributes

 N/A Level	 Introductory Level	 Intermediate Level	 Graduate Level	 Professional Level	 Advanced Level
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### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	2	3	4
1 - Practical Assessment - 50%		•	•	•
2 - On-campus Activity - 50%	•	•		•

### Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes			
	1	2	3	4
1 - Knowledge	○	○	○	○
2 - Communication	○	○	○	○
3 - Cognitive, technical and creative skills	○	○	○	○
4 - Research	○	○		○
5 - Self-management			○	○
6 - Ethical and Professional Responsibility				○
7 - Leadership			○	○
8 - 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
1 - Practical Assessment - 50%	○	○	○			○	○	
2 - On-campus Activity - 50%	○	○	○			○		

## Textbooks and Resources

### Textbooks

**There are no required textbooks.**

#### Additional Textbook Information

While there are no prescribed textbooks for this unit, students should have access to texts from previous units, including Cameron's Adult Emergency Medicine. Links to other texts will be provided on the unit Moodle page.

In addition, for the section on toxicology, we recommend access to Murray, Little, Pascu & Hoggett's 'Toxicology Handbook (3rd edition)' published by Elsevier.

### 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: [Harvard \(author-date\)](#)

For further information, see the Assessment Tasks.

## Teaching Contacts

**Kirsty Shearer** Unit Coordinator

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

## Schedule

### Week 1 - 09 Jul 2018

Module/Topic	Chapter	Events and Submissions/Topic
Introduction & Advanced Trauma Decision Making		

### Week 2 - 16 Jul 2018

Module/Topic	Chapter	Events and Submissions/Topic
Advanced Assessment		

### Week 3 - 23 Jul 2018

Module/Topic	Chapter	Events and Submissions/Topic
Ventilators		

### Week 4 - 30 Jul 2018

Module/Topic	Chapter	Events and Submissions/Topic
Head Trauma		

### Week 5 - 06 Aug 2018

Module/Topic	Chapter	Events and Submissions/Topic
Spinal & Nervous System Trauma		

### Vacation Week - 13 Aug 2018

Module/Topic	Chapter	Events and Submissions/Topic
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<b>Week 6 - 20 Aug 2018</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Thoracic Trauma		
<b>Week 7 - 27 Aug 2018</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Abdominal & Pelvic Trauma		
<b>Week 8 - 03 Sep 2018</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Extremity Trauma & Crush Injury		
<b>Week 9 - 10 Sep 2018</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Multi-system Trauma		
<b>Week 10 - 17 Sep 2018</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Burns		
<b>Week 11 - 24 Sep 2018</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
RESIDENTIAL SCHOOL		<b>On-campus Activity</b> Due: Week 11 Friday (28 Sept 2018) 5:00 pm AEST <b>Practical assessment</b> Due: Week 11 Friday (28 Sept 2018) 5:00 pm AEST
<b>Week 12 - 01 Oct 2018</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
Environmental Emergencies		
<b>Review/Exam Week - 08 Oct 2018</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>
<b>Exam Week - 15 Oct 2018</b>		
<b>Module/Topic</b>	<b>Chapter</b>	<b>Events and Submissions/Topic</b>

## Assessment Tasks

### 1 On-campus Activity

#### Assessment Type

On-campus Activity

#### Task Description

##### Preamble

During the compulsory residential school, you will be required to present a 'Grand Rounds' presentation regarding one trauma or environmental patient whom you have attended. This is an in-depth look at the patient from initial presentation through to delivery into tertiary care.

##### Task Description

Your Grand Rounds presentation is dedicated to a unique trauma or environmental patient from experience that covers a case from start to finish. Your PowerPoint and presentation itself will need to address the following key points:

1. Your PowerPoint presentation will detail:

- Chief complaint and history of present illness
- Past Medical History including allergies, medications and social history
- Assessment (review of systems), laboratory or diagnostic, and physical exam findings

- Impression, differential diagnosis and then main diagnosis
- Epidemiology of the mechanism of injury (injuries)
- **Teaching Topic:** Overview of major injuries (i.e. pathophysiology, manifestations and how your patient fit the diagnosis)
- Planned and actual management & treatment
- Further care needed in the hospital system
- Prognosis & outcome (if known)
- References.

\*\* a hard copy of your PowerPoint will need to be submitted at the time of presentation\*\*

2. Your ability to do a Questions and Answers (Q&A) session. You will be asked questions by both students and assessors following your presentation.

You will be allocated 30 minutes to complete both your presentation & the Q&A session.

### **Assessment Due Date**

Week 11 Friday (28 Sept 2018) 5:00 pm AEST

This assessment will be undertaken during the residential school period (26th - 28th September 2018).

### **Return Date to Students**

Review/Exam Week Friday (12 Oct 2018)

The results of the assessment will be returned within 2 weeks of the end of the residential school.

### **Weighting**

50%

### **Minimum mark or grade**

A minimum mark of 50% must be achieved on this assessment to pass the unit

### **Assessment Criteria**

Your 'Grand Rounds' presentation, PowerPoint and Q&A performance will be marked according to the criteria outlined in the rubric provided on the unit Moodle page, covering areas such as:

- PowerPoint - structure & layout, wording style & referencing, imagery & visual aspects
- Presentation - core content & case details, analysis & development, assessment & diagnostic studies integration, pathophysiology integration, relevance & timing
- Q&A - ability to answer questions.

This assessment task is worth 50% of the overall mark for this unit.

### **Referencing Style**

- [Harvard \(author-date\)](#)

### **Submission**

Offline

### **Submission Instructions**

You are to submit a hardcopy of your powerpoint at the time of presentation.

### **Learning Outcomes Assessed**

- Discuss the pathophysiology of common traumatic and environmental emergencies
- Apply evidence-based knowledge in the management of trauma and environmental emergencies
- Communicate effectively and demonstrate leadership within trauma management systems.

### **Graduate Attributes**

- Knowledge
- Communication
- Cognitive, technical and creative skills
- Ethical and Professional Responsibility

## **2 Practical assessment**

### **Assessment Type**

Practical Assessment

### **Task Description**

During the compulsory residential school, you will individually complete a practical simulation assessment involving a 'real world' case of a traumatic and/or environmental emergency. The practical assessment will assess your ability to:

- Apply evidence based knowledge in the management of trauma & environmental emergencies
- Demonstrate advanced critical care paramedic skills & interventions in the management of traumatic &

- environmental emergencies
- Communicate effectively & demonstrate leadership.

**Assessment Due Date**

Week 11 Friday (28 Sept 2018) 5:00 pm AEST

This assessment will be undertaken during the residential school period (26th - 28th September 2018).

**Return Date to Students**

Review/Exam Week Friday (12 Oct 2018)

The results of the assessment will be returned within 2 weeks of the end of the residential school.

**Weighting**

50%

**Minimum mark or grade**

A minimum mark of 50% must be achieved on this assessment to pass the unit.

**Assessment Criteria**

Your practical assessment will be marked according to the criteria outlined in the rubric provided on the unit Moodle page. You will be offered a maximum of two (2) attempts at this assessment. This assessment is worth 50% of the overall mark for this unit.

**If a critical error occurs during your assessment the assessment will immediately cease, no marks will be given and it will result in a failed attempt. Critical errors in this unit will be classed as:**

- **An action which causes immediate harm to yourself, partner, patient or bystanders**
- **Unsafe use of the defibrillator/failure to recognise cardiac arrest (>1 minute delay in recognition)**
- **No or incomplete drug check**
- **Incorrect sharps disposal**
- **Performing a skill and/or procedure outside the scope of practice of a critical care paramedic (CCP).**

**Referencing Style**

- [Harvard \(author-date\)](#)

**Submission**

Offline

**Learning Outcomes Assessed**

- Apply evidence-based knowledge in the management of trauma and environmental emergencies
- Demonstrate advanced critical care paramedic skills and interventions in the management of traumatic and environmental emergencies
- Communicate effectively and demonstrate leadership within trauma management systems.

**Graduate Attributes**

- Knowledge
- Communication
- Cognitive, technical and creative skills
- Ethical and Professional Responsibility
- Leadership



## 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